### SUPERFUND FIVE-YEAR REVIEW REPORT

# TRI-CITY DISPOSAL CO. BROOKS, BULLITT COUNTY, KENTUCKY EPA ID: KYD981028350

## Prepared by:

The U.S. Environmental Protection Agency, Region IV Atlanta, GA

and

Earth Tech, Inc. 3033 Campus Drive North, Suite 175 Minneapolis, MN 55441

April 2003

# **ROUTING SLIP**

RE: SECOND FIVE YEAR REVIEW

TRI-CITY INDUSTRIAL DISPOSAL SITE

BROOKS, BULLITT COUNTY, KY

TO: HAROLD TAYLOR MITTING FA HAT

DAVID HARBIN Male Harry 1/9/03

FRANKLIN HILL Michael 1/2 4/23/03

WINSTON SMITH Trem folding. Jul for 4/29/03

FROM: FEMI AKINDELE JA UM/le 4/1/03

NOTE: This is to request the Waste Division Director's signature on the subject report. Please review, sign and date. Please return to sender or call **28809** for pickup. Thank you.

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## EPA Five-Year Review Signature Cover Preliminary Information

Site Name: Tri-City Disposal Co.	EPA ID: KYD981028350
Site Italite. Itt City Suppose	City/County: Brooks/Bullitt County
Region: 04 State: Kentucky	Construction Completion Date: March 1996
LTRA: No	Construction Contractor)
Who conducted the review? (EPA Region, State	, Federal Agency, Contractor)
EPA REG 4, State and PRP's Consultant, Earth Te	cn. inc
Dates Review Conducted: 11/02 - 04/03	Dates of Site Visit: 08/29/02 and 2/26/03
Dates Review Conducted, 1702 Greend Revi	
Whether first of successive review: Second Revi	Due Date: April 2003
Type of Review: Statutory	
Trigger for this review: Last review signed 04/98	
Recycling, reuse, redevelopment site: None	
Recycling, rease, reactorphism	

### Deficiencies:

None noted.

### Recommendations:

Recommendations are listed in Section IX of this report.

## Protectiveness Statements:

The remedy at the Tri-City Disposal Site has been in place for ten years and continues to protect human health and the environment. Remediation measures at the site continue to remove the contaminants of concern from the three impacted springs. There have been infrequent exceedances of the performance standards but these exceedances have been insignificant and do not pose a threat to human health or the environment. Water has been provided through a water main to the residents that were affected by the contaminated springs. Currently, the impacted springs are not being used as a source of water in the area. The temporary groundwater use restrictions for the site are still in place. Performance and long-term samples continue to be collected as required by the ROD. The results of the long-term sampling show that the concentrations of contaminants in the groundwater are, in general, declining with time.

Signature of EPA Regional Administrator or Division Director, and Date

Other Comments:

None

THE R. N.

Winston A. Smith, Director Waste Management Division

U.S. EPA, Region 4

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### List of Acronyms

Applicable or Relevant and Appropriate Requirement ARAR

Emergency Removal Action ERA Granular Activated Charcoal GAC

Kentucky Department of Environmental Quality **KDEP** 

Kentucky Natural Resources and Environmental Protection Cabinet KNREPC

Kentucky Pollution Discharge Elimination System KPDES

Maximum Contaminant Level MCL

Maximum Contaminant Level Goals MCLG

Monitoring Well MW Nation Priorities List NPL

Operable Unit QU

Operation and Maintenance O&M

Polynuclear Aromatic Hydrocarbon PAH

Tetrachloroethene PCE

Polychlorinated Biphenyl PCB Potentially Responsible Party PRP Remedial Action Objectives RAO

Remedial Investigation/Feasibility Study RI/FS

Record of Decision ROD Statement of Work SOW

Semivolatile Organic Compound SVOC

Trichloroethene TCE

Unilateral Administrative Order UAO

micrograms per liter μg/l

United States Environmental Protection Agency USEPA

Volatile Organic Compound VOC

### EXECUTIVE SUMMARY

The remedy for the Tri-City Disposal Site near Brooks, Bullitt County, Kentucky, includes treating contaminated groundwater, providing drinkable water to affected residents, temporarily restricting groundwater usage, collecting confirmatory samples of site soils, sediment, and air to ensure that all possible areas of contamination were investigated. The affected springs are still undergoing treatment by the use of activated charcoal. Other components of the remedy include sampling of groundwater, sediment, and ecology to monitor site-related impacts.

Remedial Action construction began in June 1993 and the site achieved construction completion with the signing of the Final Construction Inspection Report in March 1996. The first five-year review was issued in April 1998. This second review of pertinent documents and site inspection has found that the remedy continues to operate as required by the Record of Decision (ROD). The remedy is functioning well to protect human health and the environment.

However, because the concentrations of contaminants in the impacted springs still exceed the MCL or non-zero MCLG, operation and maintenance of the remediation system will continue until the site's performance standards are met. Statutory five-year reviews will be conducted regularly to evaluate site conditions. The next review is scheduled for April 2008.

# Five-Year Review Summary Form

	SITE IDE	NTIFICATION
Site name (from V	VasteLAN): Tri-City Disp	osal Co.
EPA ID (from Wa	steLAN): KYD981028350	J
Region: IV	State: Kentucky	City/County: Drooks/Dunite
	SITI	STATUS
NPL status: Final		
Remediation statu	s : In Progress	Deter Morch 1996
Multiple OUs?*:	Yes Constru	oction Completion Date: March 1996
Has the site been	nut into reuse: No	
	REVI	W STATUS Propel
Lead agency: USI	EPA Region IV, North Sit	e Management Branch
Authors: Carl Sh	aw and Femi Akindele	Affiliation: Earth Tech, Inc. and USEPA
Authors' titles: P	roject Managers	Affiliation: Earth Teen, Inc. date 55
Review period:**	12/31/97 to 03/31/03	
Date(s) of site ins	pection: 02/26/03	
Type of review:	Statutory	
Review number:	2	No. 10
Triggering action	: 1st Five-Year Review I	April 3 1008
Triggering action	date (from WasteLAN):	data): April 2003
Due date (five year	ars after triggering action	(date); April 2005

#### Issues:

Most of the requirements of the ROD have already been completed. The remaining items include:

- Continuing to operate the remediation system on Cox Spring, Unnamed Spring #1, and Klapper Spring;
- Continuing to collect performance samples from the discharges of the remediation systems; and
- Continuing to collect long-term monitoring samples from monitoring wells MW-02 and MW-04 until they meet the MCLs or non-zero MCLGs for five consecutive sampling events.

The Kentucky Department of Environmental Protection (KDEP) also has the following additional concerns:

- Detections of PCB and lead in surface soil samples that KDEP collected east and south of the treatment building in 1998 and 1999;
- Detections of PCB and lead in surface and subsurface soil samples collected by KDEP in December 2001 and March 2002 from the pasture located north of the treatment building;
- Lack of restrictions against excavation and building construction within close proximity of site by local residents.

<sup>\*[&</sup>quot;OU" refers to operable unit]

<sup>\*\*[</sup>Review period should correspond to the actual start and end dates of the Five-Year Review in WasteLAN]

### Recommendations and Follow-up Actions:

- 1. There are four monitoring wells at the site that are no longer used in the long-term monitoring program. These wells should be plugged and abandoned in the near future.
- 2. Current levels of O&M monthly inspection, performance sampling, and annual long-term monitoring at the site should be maintained.
- Regarding the issues raised by KDEP, the potentially responsible parties (PRPs) will review the KDEP soil sampling results to determine if they exceed USEPA standards.
- 4. In addition, the PRPs will review the institutional controls currently in place at the site to ensure that they restrict excavation and construction activities near the site boundaries.
- 5. The PRPs will install signs at appropriate locations around the site to warn residents against excavation and building construction close to the site.

### Protectiveness Statement:

The remedy at the Tri-City Disposal Site continues to protect human health and the environment. Remediation system for the three impacted springs remains functional and well maintained. There have been infrequent exceedances of the performance standards, but these exceedances are not considered to be a threat to human health or the environment. Water has been provided through the public water system to the residents that were affected previously by the contaminated springs. The impacted springs are not currently being used as a source of water. The temporary groundwater use restrictions are still in place and there is no known use of the groundwater in the affected area. Performance samples and long-term samples continue to be collected as required by the ROD. The results of the long-term sampling show that the concentrations of contaminants in the groundwater are, in general, declining with time.

# TRI-CITY DISPOSAL CO. BROOKS, BULLITT COUNTY, KENTUCKY FIVE-YEAR REVIEW

### I. INTRODUCTION

This is the second five-year review for the Tri-City Disposal Superfund Site located near Brooks in Bullitt County, Kentucky. The purpose of the review is to determine whether the remedy implemented at the site continues to be protective of human health and the environment.

This review is statutory pursuant to CERCLA §121 and 40 CFR §300.430(f) (4) (ii) which requires reviews every five years for those sites where hazardous substances remain on site after the remedial action construction is completed. The trigger date for the current five-year review is the date of the last review which was signed in April 1998.

The review was conducted from August 2002 through March 31 2003, by Carl Shaw, Project Manager, Earth Tech Inc. and contractor to the PRPs, Femi Akindele, USEPA Project Manager, Ken Logsdon, Project Manager for the Commonwealth of Kentucky, Jim Forney, Project Manager for Waste Management, Inc., and Scott Hayes, O&M contractor. Community Relations activities were conducted by Dianne Barrett, USEPA Region IV. This review report was prepared by Earth Tech and USEPA project managers.

The remedy implemented at the site involves cleaning contaminated water that flows from local springs previously used by area residents. Volatile Organic Compounds (VOCs) in the spring water remain at levels above those required for unrestricted use. Therefore, a review will be conducted every five years in accordance with CERCLA and NCP requirements.

# II. SITE CHRONOLOGY

The following table summarizes the dates of the important events in the chronology of the Tri-City Disposal site. Further discussion of these events are included in Section III, Background.

Table 1
Chronology of Site Events
Tri-City Disposal Site, Brooks, Bullitt County, Kentucky

Event	Date
Operation of the site as a landfill.	1964 – 1967
Lawsuit filed against the landfill and its owners results in closing the	November 1967
landfill.	September 11, 1985
KNREPC conducts a preliminary assessment.	April 1987
KNREPC conducts a site investigation.	May 1988
USEPA conducts additional investigations and provides local residents	,
with drinking water.	June 1988
USEPA conducts an additional study to assess the site's potential impact	
on area residents from groundwater, dust, and direct contact.	June 24, 1988
The site was proposed for inclusion on the Nation Priorities List (NPL).	March 31, 1989
The site was placed on the NPL.	Aug. & Sept. 1988
USEPA conducted an Emergency Removal Action (BRA).	August 28, 1991
Remedial Investigation/Feasibility Study (RI/FS) was published.	August 28, 1991
Record of Decision (ROD) for Operable Unit (OU) #1 was issued.	March 16, 1992
Unilateral Administrative Order (UAO) was issued.	August 1992
Remedial Design Work Plan was submitted	May 1993
Remedial Design Report-OU #1 was submitted	September 1993
Remedial Action Work Plan was submitted	March 1994
Remedial Design Report-Unnamed Spring #1 was submitted	June 22, 1993
Remedial Action (construction) started	November 1994
Operation and Maintenance Plan was submitted	November 1994
Final Construction Report was submitted	
Pre-Certification Inspection was submitted	May 1995
Final Construction Inspection Report was submitted	March 1996
USEPA issued a no further action ROD for OU #2.	March 29, 1996
First Five-Year Review was conducted	April 3, 1998
Klapper Spring remediation system (fence) was constructed	May 1998
Lightning protection at the treatment system was installed	December 2000
WDCD requested additional soil sampling	December 11, 2000
Meeting involving KDEP and PRPs to discuss additional sampling	April 26, 2001
KDEP indicated that they would conduct the additional sampling	September 2001
Hooked-up the Klapper residences to the water main	May 2002

### III. BACKGROUND

The Tri-City Disposal Superfund Site is located in the community of Brooks in north-central Bullitt County, Kentucky, approximately 15 miles south of Louisville. The site consists of approximately 349 acres and it is located on the south side of State Highway 1526 (also known as Brooks Hill Road), approximately four miles west of U.S. Interstate 65. The geographical coordinates for the site are 38°2′50.9″ north latitude and 85°46′06.1″ west longitude. The location of the site is shown on Figure 1 in Attachment A.

## Physical Characteristics

The site is located within the Outer Bluegrass physiographic region of Kentucky. The Outer Bluegrass Region is characterized by deep valleys with little flat land because it is developed in interbedded limestones and shales. The easily eroded shales (Borden Formation) form valleys and the ridges between the valleys are capped by the more resistant limestones (Harrodsburgh Limestone and Salem Limestone).

### Land and Resource Use

The site is in an area of small farms, woodlands, and low-density residential housing. The site is on the top of a ridge (locally referred to as Brooks Hill) that is used for farming, grazing, and low-density housing. The side of the ridge is very steep and wooded. Brushy Fork Creek is located in the valley south of the ridge. There are three springs that emanate from the side of the ridge south of the site that are impacted.

The site is currently owned by the Cox family who maintains two residences on the property. In addition, there are residences located on adjacent property to the north and west of the site.

Water service in the area is provided by the Louisville Water Company via a system of water mains. Wells are not used to provide domestic water in the area because the bedrock generally does not yield adequate water. Springs were formerly used by some of the local residents as a water source. Water service has been provided to all of the residences that were using impacted springs.

# History of Contamination

The site was an industrial waste landfill operated by Tri-City Industrial Services, Inc. from late 1964 to late 1967. Most of the waste disposed at the site was scrap lumber and fiberglass insulation but there were also drummed liquid wastes and bulk liquids that were poured onto the ground. There were many citizen complaints concerning odors, fires, explosions, deposition of ash on adjoining properties, eye irritation, and breathing difficulties. These complaints lead to a lawsuit for creating a public nuisance and an indictment was served to Tri-City Industrial Services, Inc. and others in November 1967. The company president, Mr. Harry Kletter, was arrested and was released after an agreement was negotiated that the charges would be dropped if the company agreed to stop disposing of and burning waste at the site. A fire broke out at the site at about the same time as the arrest. The fire burned for about two years.

### Initial Response

USEPA became involved with the site in September 1985 at the request of the Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC). The KNREPC conducted a Preliminary Assessment of the property in September 1985 and conducted a Site Investigation in April 1987. The Site Investigation revealed that there were hazardous substances in the soil and waste at the site and that Klapper Spring was impacted with tetrachloroethene (PCE) at concentrations that exceeded the maximum contaminant level (MCL). The Klapper family was using Klapper Spring as a source of domestic water at that time.

USEPA conducted additional sampling and provided the Klapper family with an alternate water supply in May 1988. USEPA also discovered that the Cox family was using water from Cox Spring as a potable water source and immediately provided them with an alternative water supply. USEPA conducted a survey of potable water sources within a radius of approximately one-half mile of the site. This survey again showed PCE in Klapper Spring and elevated levels of PCE and trichloroethene (TCE) in Cox Spring. USEPA conducted an additional study to assess the site's potential impact on area residents from groundwater, dust, and direct contact in June 1988. The site was placed on the NPL in March 1989 with a Hazard Ranking Score of 33.82.

USEPA conducted an Emergency Removal Action (ERA) in August and September 1988 from an area south of the Cox, Sr. residence. The ERA was initiated when the Cox family reported that a "black ooze" was emanating from their side yard. USEPA contractors investigated the "black ooze" and found elevated levels of xylene, toluene ethylbenzene, and lead. USEPA contractors then conducted geophysical surveys and field analytical screening in August 1988 and found that waste disposal was concentrated at the southern half of the site. The ERA was conducted in August and September 1988 at the south side of the Cox, Sr. residence. The ERA involved excavating and removing approximately 165 drums, many crushed and empty drums, metal containers of various sizes, auto parts, 400 gallons of free liquids, and over 800 cubic yards of suspected contaminated soil. Several test trenches were also excavated in areas of geophysical anomalies that revealed empty drums and drums containing solids along with fiberglass insulation, wires, and ashes but no drums of liquid waste.

USEPA began a Remedial Investigation/Feasibility Study (RI/FS) in July 1989 to characterize the site and determine the nature and extent of contamination. The RI/FS was published in May 1991.

# **Basis for Taking Action**

The basis for taking action at the site was the use of the impacted spring water as a domestic water source. The water in some of the springs on and around the site is impacted with VOCs including PCE and TCE at concentrations above the MCL or non-zero MCLGs.

#### REMEDIAL ACTION IV.

# Remedial Action Objectives/Operable Units

Based on the results of the RI/FS and to expedite action, the site was divided into two operable units (OUs). OU #1 included the remediation of contaminated groundwater and confirmatory sampling to identify any unacceptable levels of hazardous contaminants in areas of the property not previously addressed. OU #2 was proposed to address additional measures necessary to mitigate any threat to human health or the environment identified during the confirmatory sampling in OU #1.

The Record of Decision (ROD) for OU #1 was issued in August 1991. The Remedial Action Objectives (RAOs) for OU #1, as described in the Statement of Work (SOW), are:

- Treat groundwater having contaminant concentrations in excess of MCLs or non-zero maximum contaminant level goals (MCLGs);
- Continue providing potable water to residents affected by groundwater containing contaminant concentrations in excess of MCLs or non-zero MCLGs;
- Restrict usage of groundwater for domestic purposes until monitoring indicates that the water is of sufficient and consistent quality for human consumption;
- Conduct confirmatory sampling of site soils, sediment, and ambient air to ensure that all possible areas of contamination as identified in the ROD are investigated; and
- Perform long-term monitoring of groundwater, surface water, sediment, and ecology to identify additional site-related impacts.

The confirmatory samples were collected in 1992 for OU #1 and were evaluated by USEPA to determine if there was a need for a second operable unit remedial action at the site. Based on the results of the evaluation, USEPA determined that there was no need to initiate a second operable unit at the site. Therefore, a "No Action" ROD was issued for OU #2 in March 1996.

# Remedy Description

Remedial action is currently being conducted at the site to address the requirements of the ROD for OU #1. These requirements are:

- Treating contaminated groundwater,
- Continuing to provide drinkable water to affected residents,
- Temporarily restricting groundwater usage,
- Collecting confirmatory samples of site soils, sediment, and air to ensure that all possible areas of contamination were investigated (completed in 1992), and
- Performing long-term monitoring of groundwater, sediment, and ecology to identify additional site-related impacts.

Groundwater or spring water is considered remediated if sampling shows the concentrations are below the MCL or non-zero MCLG for five consecutive rounds of sampling. Locations of the sampling points are shown on Figure 2 in Attachment A.

### Remedy Implementation

# Treatment of Contaminated Spring Water

Remedial action began in May 1994, and is conducted to clean up impacted water from three springs at the site. PCE concentrations in these springs have been consistently higher than the MCLs and non-zero MCLGs. Therefore, remediation is still in progress at this time. Cox Spring and Unnamed Spring No. 1 have been undergoing treatment since May 1994 and Klapper Spring has been undergoing treatment since April 1998. The treatment in Cox Spring and Unnamed Spring No. 1 involves collecting the spring water and pumping it through a granular activated charcoal (GAC) treatment system. Once treated, the water is returned to the springs. A schematic of the treatment process is included in Figure 3 in Attachment A.

Klapper Spring has had only sporadic detections of PCE that exceed the MCL or non-zero MCLG. The remedial action involves enclosing Klapper Spring and an area approximately 50 feet down-stream with a chain link fence to limit access to the impacted water. This remedial action limits access to the impacted water for the short distance required for the PCE to naturally air-strip from the water.

The discharge from the treatment systems is required to meet a performance standard that is the lower of the MCL/non-zero MCLG or Kentucky Pollution Discharge Elimination System (KPDES) standard. Discharge samples are collected monthly and are analyzed for selected VOCs. The performance standards are shown in Table 2.

Table 2
Performance standards
Tri-City Disposal, Brooks, Bullitt County, Kentucky

Constituent	MCL/non-zero MCLG (µg/L)	KPDES (µg/L)
Chloroform	100	15.7
1,1-Dichloroethene	7	1.85
cis-1,2-Dichloroethene	70	1.85
trans-1,2-Dichloroethene	100	1.85
Tetrachloroethene	5	8.85
Toluene	1,000	424,000
1,1,1-Trichloroethane	200	1,030,000
Trichloroethene	5	80.7
Vinyl Chloride	2	525
Xylenes	10,000	no criteria

All results from the discharge of the treatment systems at Cox Spring and Unnamed Spring No I have been within the performance standards. Klapper Spring has had six occasions over the past five years when the water discharging from the remediation system (fence) slightly exceeded the performance standard for PCE. The performance sampling results for Cox Spring, Unnamed Spring No. 1, and Klapper Spring are included in Attachment B.

There have been times when the monthly inspection discovered that the treatment system was not operating. In each case, the cause of the problem was quickly identified and was corrected as soon as possible. The most common reason for the remediation system to be down was lightning strikes to the system's electrical controls. Lightning protection was installed in December 2000 to help minimize the effects of the frequent lightning strikes. The Cox Spring system was also down in 2000 due to the property owner inadvertently cutting the pump controller line from the treatment building to Cox Spring. Instead of fixing the controller line, a float switch was installed in the holding tank at Cox Spring.

# Provision of Potable Water

Potable water is continuing to be provided to the affected residents. The two Cox residences and the two Klapper residences are connected to the Louisville Water Company water main. The Cox residences were connected to the water main in 1995 and the two Klapper residences were connected to the water main in May 2002. Prior to connecting the two Klapper residences to the water main, the residences were provided water via cisterns that were replenished with potable water via tanker truck on an as-needed basis. The cost to connect the residences to the water main and the cost of the potable water to the Klapper residences prior to connection to the water main were paid by the PRPs.

# Temporary Restriction of Groundwater Usage

Temporary restriction of groundwater usage is still in effect and site visits show that the water from the affected springs is not being used as a domestic water source. The collection system used at Cox Spring to provide water to the Cox residences was dismantled to construct the remediation collection system so it is not possible for the water from Cox Spring to be used by the Cox families. The Klapper Spring collection system has also been taken out of service and is surrounded by a chain link fence so it is not currently being used by the Klapper residences for domestic use. The Unnamed Spring No. 1 was never used as a domestic water source and site inspection confirms that it is not currently being used.

# Confirmatory Sampling

Confirmatory samples were collected during an investigation conducted by Rust Environment & Infrastructure (now Earth Tech) in 1992. The confirmatory sampling involved collecting and analyzing surface soil, subsurface soil, surface water, and sediment samples. The results of the sampling indicated that there was no unacceptable risk presented to human health or the environment from surface soil, subsurface soil, surface water, or sediment at the site

### Long-Term Monitoring

Long-term monitoring is continuing at the site in accordance with the Field Sampling Plan, dated October 1992. The plan calls for long-term monitoring of five springs and six groundwater monitoring wells and ecological monitoring consisting of surface water, sediment, and toxicity testing. The following provides a summary of the current status of the long-term monitoring program.

- Cox Spring, Unnamed Spring No. 1, and Klapper Spring These springs are currently undergoing remediation and are not included in the long-term monitoring program. However, long-term samples are also being collected periodically to track the concentrations of contaminants in the spring water. Since the concentrations exceed the MCL or non-zero MCLG at least some of the time in each of the springs, remediation is continuing. Plots of the long-term monitoring data for PCE in these springs are included in Attachment B.
- Brading Spring No. 2 Brading Spring No. 2 was sampled from 1992 through 1998. There
  were no exceedances of the MCLs or non-zero MCLGs since 1994. Therefore, the long-term
  monitoring of Brading Spring No. 2 is complete.
- Cattle Spring Cattle Spring was sampled according to the long-term monitoring program from 1992 through 1998. Since there were no exceedances of the MCLs or non-zero MCLGs, the long-term monitoring of Cattle Spring was discontinued.
- Groundwater Monitoring Wells Groundwater samples have been collected from six groundwater monitoring wells at the site. Monitoring well MW-02 has shown detections of VOCs that exceed the MCLs or non-zero MCLGs each time it has been sampled so it continues to be monitored on an annual basis. Monitoring well MW-04 has had periodic detections of VOCs that exceed the MCLs or non-zero MCLGs. Because this well has not had five sampling events in a row that do not exceed the MCLs or non-zero MCLGs, it continues to be monitored on an annual basis. MW-05 has had no detections that exceed the MCLs or non-zero MCLGs since 1997 so long-term monitoring of MW-05 is complete. Monitoring wells MW-08, MW-11, and MW-12 had no exceedances during the five years that they were sampled so long-term monitoring is complete. For monitoring wells MW-02 and MW-04, monitoring will continue until there have been five consecutive sampling events without an exceedance of the MCLs or non-zero MCLGs. Plots of the long-term monitoring data for PCE in monitoring wells MW-02, MW-04, and MW-05 are included in Attachment B.
- Ecological Monitoring Ecological monitoring was conducted fourth quarter 1992 (baseline), third quarter 1993, and third quarter 1997. The monitoring involved collecting surface water and sediment samples for VOCs, semivolatile organic compounds (SVOC), and metals analyses, and collecting water samples for toxicity testing (water spider and flathead minnow survival and reproduction tests). The fifth year sampling event was conducted in July 1997 and the results showed that there were no exceedances of the MCLs or non-zero MCLGs in the surface water and sediment, and that the surface water was not toxic. Evaluation of these results indicates that the site does not pose an adverse effect on the ecology of Brushy Fork Creek.

# System Operation/Operation and Maintenance (O&M)

The PRPs are conducting O&M of the treatment systems, discharge monitoring of the treatment system effluent, and long-term monitoring according to the O&M Plan. The primary activities include:

- Operating the treatment system for Cox Spring and Unnamed Spring No 1;
- Inspecting the treatment system (fencing) at Klapper Spring;
- Collecting performance samples from the treatment systems on a monthly basis;
- Conducting a monthly inspection of the site and the systems;
- Conducting long-term monitoring; and
- Recording O&M activities monthly on a system operation and inspection log.

The O&M costs incurred for the site include routine inspection and maintenance, granular activated carbon drums, collecting and analyzing performance samples, collecting and analyzing long-term monitoring samples, and reporting. The following table summarizes the O&M costs incurred at the site during the past five years.

Table 3 Operations and Maintenance Costs\* Tri-City Disposal, Brooks, Bullitt County, Kentucky

E	To	Total Cost**
From	12/31/98	\$485,000
1/1/98	12/31/99	\$68,000
1/1/99	12/31/99	\$32,000
1/0/00	12/31/01	\$55,000
1/1/01		\$38,000
1/1/02	12/31/02	

O&M costs also include the cost of water hookup and agency oversight.

#### PROGRESS SINCE THE LAST REVIEW V.

The following progress has been made at the site since the last five-year review:

- The remediation system (fence) was installed at Klapper Spring.
- The two Klapper residences were provided with potable water via extending the water main. It is no longer necessary to truck water to fill the cisterns at the residences.
- Lightning protection was installed at the building that houses the Cox Spring and Unnamed Spring #1 treatment systems.
- Long-term monitoring has been completed at monitoring well MW-05.
- Discussions have been held by the PRPs and KDEP concerning additional soil sampling at the site. A meeting was held to discuss KDEP's concerns and several sampling plans were submitted. KDEP rejected PRP's proposals and opted to conduct the sampling. The sampling results have been recommended for evaluation and PRP follow-up in this report.

Costs are rounded to the nearest \$1,000.

# VI. FIVE-YEAR REVIEW PROCESS

# **Administrative Components**

USEPA Region IV, the Commonwealth of Kentucky and the PRPs collaborated in conducting this five-year review. The PRPs were represented by Waste Management Inc. and their contractor, Earth Tech, Inc. Earth Tech completed the draft report in January 2002 and prepared a revised report after addressing comments from USEPA and the State in March 2003. This final version of the report was prepared by USEPA.

### Document Review

The documents reviewed during this five-year review include:

<ul> <li>1st Five-Year Review Report</li> <li>Record of Decision, OU #1</li> <li>Remedial Action Statement of Work</li> <li>Unilateral Administrative Order</li> <li>Record of Decision, OU #2</li> <li>Operation and Maintenance Plan</li> <li>Monthly System Operation and Inspection Logs</li> <li>Performance Sampling Results</li> <li>Long-Term Sampling Results</li> </ul>	April 3, 1998 August 1991 August 1991 March 4, 1992 March 1996 November 1994 1998-2002 1998-2002
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#### Data Review

The data reviewed for this five-year review include the following. All of these items are included in Attachment B.

- Monthly discharge monitoring results; and
- Plots of PCE levels versus time for long-term sampling results.

### Site Inspection

A joint inspection of the site was conducted by USEPA, KDEP, and Earth Tech on February 26, 2003, as part of this review. The following observations were made during the inspection.

- The remediation building for Cox Spring and Unnamed Spring #1 was properly secured with a padlock.
- The remediation systems were both operating properly.
- The lightning protection system was operating properly.
- The building contained five virgin GAC drums and no spent GAC drums.
- The fence surrounding Klapper Spring was secure.
- The springs were not being used as a source of domestic water by local residents.
- The three monitoring wells sampled periodically were secure and functional.
- There are four monitoring wells at the site which are no longer used in the monitoring

- program that should be abandoned.
- The State representative provided a sample location map and sampling results for soil samples collected at the site in December 2001 and March 2002.

## Community Involvement Activities

In March 2003, USEPA announced that the remedy at the site was under review in the local newspaper, conducted telephone interviews with local residents and invited comments on activities related to the site. Responses to the interviews were mixed. Some people were pleased overall and some expressed displeasure with the method and extent of the cleanup implementd at the site. In any case, no one identified a specific problem to indicate that the objectives of the remedy at the site are not being met currently. Copies of the telephone interviews are in Attachment E.

Results of this review will be summarized and reported to the public in a fact sheet and published in the local newspaper by USEPA. Copies of the entire report will be placed in the USEPA record center in Atlanta Georgia, the USEPA website and the repository for the site at Ridgeway Memorial Library, 127 Walnut Street, Shepherdsville, Kentucky.

#### TECHNICAL ASSESSMENT VII.

# Question A: Is the remedy functioning as intended by the decision documents?

The review of documents, applicable or relevant and appropriate requirement (ARARs), risk assumptions, and the results of the site inspection indicate that the remedy is functioning as intended by the ROD. The remedial actions have achieved the objectives of minimizing exposure to affected spring water.

The remediation systems sometimes do not operate due to equipment problems. The most common problems have been the result of lightning strikes that burn out the pump controller circuitry. A lightning protection system was installed to minimize the outages due to lightning strikes. In another case, Mr. Cox cut the controller line to Cox Spring while doing some grading on his property. In both cases, the problems were fixed and the systems were back on line as soon as possible. In the case of Klapper Spring, the discharge at the fence line occasionally exceeds the performance standard. There were six monthly performance samples from Klapper Spring that exceeded the performance standard over the five years of monthly monitoring conducted at the spring. These exceedances are not considered a threat to human health or the environment because the VOCs quickly air strip from the water and the area is inaccessible due to the rugged terrain.

Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid?

There have been no changes to the physical conditions of the site or the adjacent land use that would affect the protectiveness of the selected remedy. The RAOs for the site are still valid and are in effect at the site.

Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

There has been no other information that has come to light that could call into question the protectiveness of the remedy.

## **Technical Assessment Summary**

In summary, no significant issues were noted during the five-year review of the remedial action components. Water continues to be provided to the affected residents and a water main was installed to better ensure delivery of potable water. The long-term sampling shows that much of the site is no longer impacted and that long-term monitoring in those areas is complete. Long-term monitoring has also demonstrated that the concentrations of contaminants in the impacted springs are generally decreasing with time. The treatment systems are effectively cleaning up the water that discharges from the springs. Occasionally, the remediation systems have encountered mechanical problems. These are usually repaired immediately to minimize down-time. Concentrations of VOCs in the water samples sometimes exceed performance standards. Nevertheless, concentration trends for the compounds have continued to decline since the last five-year review. Therefore, the remedy at the site is performing satisfactorily and continues to provide human health and environmental protection.

### VIII. ISSUES

Most of the requirements of the ROD have already been completed. The remaining items include:

- Continuing to operate the remediation system on Cox Spring, Unnamed Spring #1, and Klapper Spring;
- Continuing to collect performance monitoring samples from the discharges of the remediation systems; and
- Continuing to collect long-term monitoring samples from monitoring wells MW-02 and MW-04 until the results meet the MCLs or non-zero MCLGs for five consecutive sampling events.

In addition, there are four wells (MW-05, MW-08, MW-11, and MW-12) at the site that are no longer used in the long-term sampling program and they should be abandoned.

KDEP raised three issues at the time of the site inspection. The issues are as follows:

- KDEP reiterated their concern about surface soil east and south of the treatment building based on samples collected by KDEP in 1998 and 1999.
- KDEP provided the results of surface and subsurface soil samples that they collected near the
  houses in December 2001 and from the pasture located north of the treatment building in
  March 2002. The results show that there are no concerns in the soil around the houses. The
  results are included in Attachment D.
- KDEP expressed concern about apparent lack of restrictions against excavating and land disturbance within close proximity of the site by local property owners.

# IX. RECOMMENDATIONS AND FOLLOW-UP ACTIONS

It is necessary to maintain the current O&M monthly inspection, monthly performance sampling, and annual long-term monitoring at the site. In addition, there are four monitoring wells at the site that are no longer used in the long-term monitoring program that should be abandoned.

Regarding the issues raised by KDEP, the PRPs will review the KDEP soil sampling results to determine if they exceed USEPA standards. In addition, the PRPs will review the institutional controls currently in place at the site to ensure that they restrict excavation and construction activities within close proximity of the site and to maintain remedy integrity. The follow up actions recommended for the site are included in Table 4.

Table 4
Five-Year Review Follow Up Actions
Tri-City Disposal, Brooks, Bullitt County, Kentucky

	Responsible Party	Oversight Agency	Milestone Date	Affe Protecti	
Action	1 mily	ge		Current	Future
Abandon unused wells	PRPs	USEPA	Sept. 2003	No	No
	PRPs	USEPA	Ongoing	No	Yes
Continue O&M Inspections Continue Performance Monitoring	PRPs	USEPA	Ongoing	No	Yes
Continue Long-Term Monitoring	PRPs	USEPA	Ongoing	No	Yes
Review KDEP Soil Sampling Results	PRPs	USEPA	Sept. 2003	No	No
Review Institutional controls and address deficiencies as necessary	PRPs	USEPA	Sept. 2003	No	No

### X. PROTECTIVENESS STATEMENT

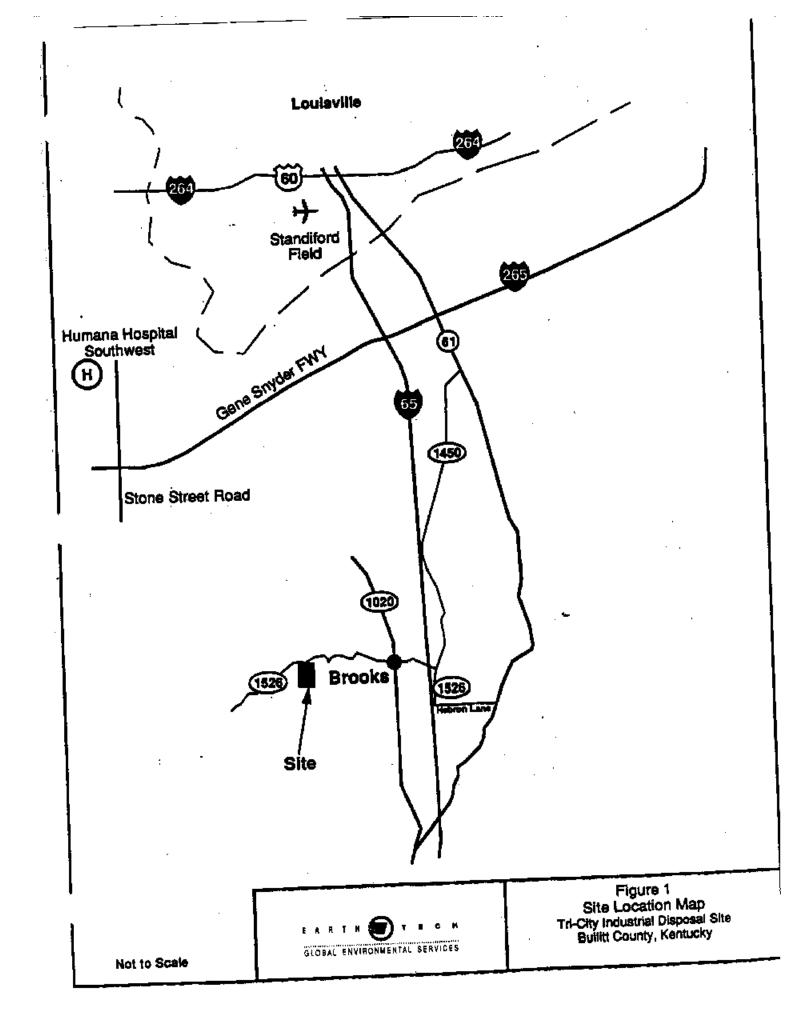
The remedy at the Tri-City Disposal Site currently protects human health and the environment. Remediation measures at the site continue to remove the compounds of concern from the three impacted springs. There have been infrequent exceedances of the performance standards but these exceedances are not considered to be a threat to human health or the environment. Water has been provided through a water main to the residents that were affected by the contaminated springs. The impacted springs are not currently being used as a source of water. The temporary groundwater use restrictions are still in place and there is no known use of the groundwater in the affected area. Performance samples and long-term samples continue to be collected as required by the ROD. The results of the long-term sampling show that the concentrations of contaminants in the groundwater are, in general, declining with time.

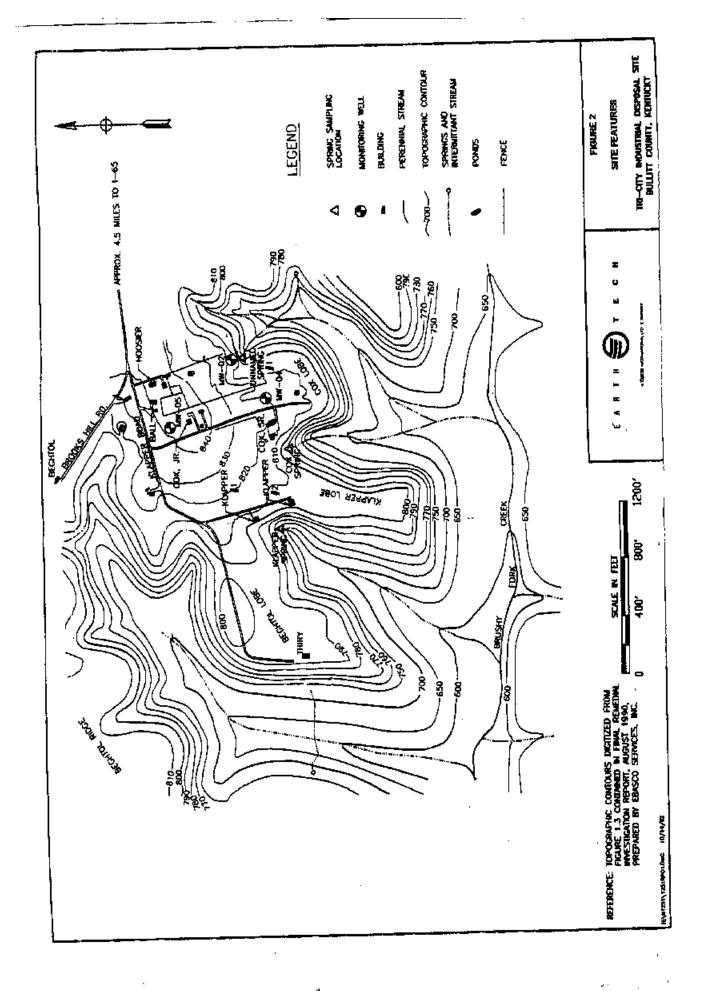
### XI. NEXT REVIEW

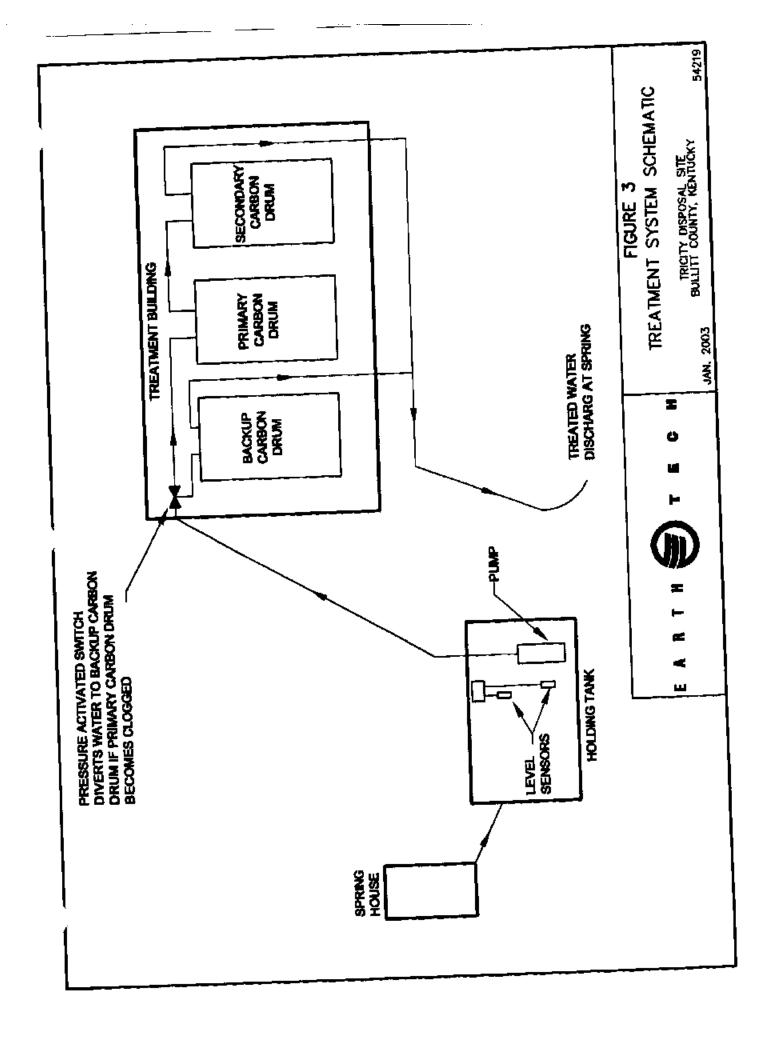
The next five-year review is scheduled for April 2008.

# Attachment A

Figures







# Attachment B Long-Term and Performance Sampling Results

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING AND UNNAMED SPRING NO. 1 BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL TABLE 1

		Nev. 1997	1997	Dec. 1997	1997	Jan. 1998	998	Feb. 1998	1998	Mar. 1998	1998	Apr. 1998	998
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Trans_1 7-Dichlarmethene	T/d#	205	<b>△0.5</b>	<0.5	NS	<0.5	<b>&lt;0.5</b>	205	<0.5	<0.5	<0.5	Φ.5	<b>∆0.5</b>
		2	20	^1.D	Z.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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Not sampled

D K Spring was dry and was not sampled
Estimated value below the method detection limit
Performance monitoring result exceeds the performance standard

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL KLAPPER SPRING TABLE 1

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Not sampled

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踞 Spring was dry and was not sampled Estimated value below the method detection limit Performance monitoring result exceeds the performance standard

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL TABLE 1

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J. S. Not sampled
Spring was dry and was not sampled
Estimated value below the method detection limit
Performance monitoring result exceeds the performance standard

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SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND TRI-CITY INDUSTRIAL DISPOSAL BROOKS, BULLITT COUNTY, KENTUCKY KLAPPER SPRING TABLE 1

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D<sub>y</sub>

Not sampled
Spring was dry and was not sampled
Spring was dry and was not sampled
Estimated value below the method detection limit
Performance monitoring result exceeds the performance standard

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL KLAPPER SPRING TABLE 1

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Trichloroethene	_ 1/gµt	4	1.2	1	1	1	T	1	1	1	<u> </u>	100	4	;	; ]		3	S =	<u>ه</u>
Vinvi Chloride	1/84	2.0	2.0	ρą	<2.0	2.0	20	å	2.0	2.0	3	3	3	ğ	2	2	{	. (	, (
	-	}	2	ğ	ê	<b>₽</b>	0.12 C1.0	<u>\$</u>	<u>6</u>	410	×	Z	Ž	<1.0	\$I\$	-1.0 •1.0	<1.0	^ <u>1.0</u>	A A
Aylene	1.00							Ì				١							

Z Z

Not sampled

퉗 Spring was dry and was not sampled
Estimated value below the method detection limit
Performance monitoring result exceeds the performance standard

TABLE 1 SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL KLAPPER SPRING

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		.		<u>֓</u>	¥ │	Yume 200#	•	<u> </u>	<b>յ</b> սիչ 20 <b>00</b>	<b>.</b>	<b>&gt;</b>	Ang. 2000	5	S	Sep. 2000	<del>S</del> 		Oct. 2000	_
		] 3	May Zuou	\\	ا		5	3	Ž	ş	S	<u> </u>	ğ	Cox	Ę	¥	Cex	39	KIP
ANALYTE	L	ě	35	ş	ğ	# <u>5</u>	Ę	١	<b>#</b> 5			<u> </u>	7	:	7	ş	$\frac{1}{2}$	Ŗ	Dry
		}	2	<u> </u>	<u> </u>	÷	6	<u> </u>	40	Ďζ	0.1∆	¢1.9	5	40	3	1	4		
Chloroform	1/8/1	2	12							7		•	ΣĮ	<u>.</u>	Ę	₹ ÿ	٥.	Ŋ	γ
	Jeg/T	î	<u>^</u>	0.1	<1.0	<u>\$</u>	<u>(1</u>	4.0	çi ç	Ą	â	2	<b>\</b>	1	1	1		7	7
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Cis. 1 2-Trichlorgethene	1/9/1	Ş	<1.0	615	<1.0	<1.0	6.15	Ą	ŝ	3	1	1	+	+	?	<u> </u>	•	2	ş
	1		3	,	À	<u>S</u>	۵ د	Ä	å	Diy	9	Ą	γ	0.5	  	1	4	<del>                                     </del>	
Trans-1,2-Dichloroethers	1/8/1	į	É	7	1	1	1			7	\$	<u> </u>	5		Ą	3	40	Ş	Dζ
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	-	\$	}	4	<u>^</u>	<u>۵</u>	<del>5</del>	<u>{</u> }	0.1	5	40	40	170	<u>-</u>	5	7.5	1 {	+-	1
Toluene	T/80L	1	1		†	†	+	+	1	-	-		Ş	<u>^</u>	3	Ş	4	Dıy	Dış
1 1 1-Trichloroethane		4.0	\$1>	 	4.6	40	20	1	į.	\ <u>\</u>	1			╼┼╼	━┣╌	3	<del>-  </del>	¥	₹
	_	2	٠ <u>٠</u>	<u>~</u>	<u>A</u>	<u>A</u>	<u>-</u> -	4.0	4.0	 	<1.0	â	<u> </u>	- 6	┿	+-	+		+
Trichloroethene	1/24	1	+-		+	+	+	+	┥	-1	3	_	- Ş	3	_ 3	Day.	٥٥	\$	Ą
Vinyl Chloride	T/Brt	٥	20	4.0	2.0	20	20	8	g	\-\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	٩	16	╃╌	+	╼╈╌	+	}	<b>?</b>	<b>₽</b>
	<del>-</del> † ,	<del>-  </del>	_		<u>^</u>	16	6	_ 	<u>&lt;10</u>	) Pd	2.0	0.0	5	2.0	⊢	<u> </u>	<u>-</u>	⊩	⊩
Xylene	1/8/L	Į	╟	⊩	⊩	╙	r	ŀ	1	t	ŀ								
				۱		ļ													

D X

Not sampled

Spring was dry and was not sampled
Estimated value below the method detection limit
Performance monitoring result exceeds the performance standard

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL KLAPPER SPRING TABLE 1

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		Z	Nov. 2000	<b>-</b>	Ž	Dec. 2000	<u> </u>	Į į	Jan. 2001	1 	콩	Fcb. 2001	-	3	Mar. 2001	-	  -  -≩	-  8	
	Tinite !	<u>ا</u> ج		·   '	1	į	<u> </u>		Ę	Ē	S.	Ę	Ş	S B	Ę	<del>주</del>	<u>,</u>	*5	Ş
ANALYIE	, E	Cax	35	9	<u> </u>	*	]		3			-4-	_	1		₹    -	2	1	Diy.
	T	â	<u> </u>	61	<u>5</u>	6.1	Ş	¢1,0	410	Dŋy	<1.0	6.0	6	1	1 2	┿-	╌┢╌	╼╋╼	_
Chloroform	1/81	ا ا	;							7	,	\ \ \	}	<u>^</u>		ş	را ا	10	Ŋ
a a secular adams	Ton	<u> </u>	5	ŝ	5	5	ρŢ	<1.0	<1.0	75	<u>ه</u>	Ê	5	1 2	\ \frac{1}{2}		-	╌	7
1,1-Dichtoroentere	3		\				, [			3	<u>.</u>	_ } }	<u> </u>	<u>^</u>	6	Ş	<u>- 6</u>	<u>\$</u>	<b>July</b>
Cis-1.2-Dichloroethene	µg/L	<1.0	0.1	<1.0	0.15	6.1>	Į.	à	6.6	}	1	1.4	1			7	<u>}</u>	*	₹│
	- <del> </del>	,		,	À	4	Ę	é	ğ	Day	A)S	Ą	8	Ą	4	3	1	┾╼	
Trans-1,2-Dichloroethene	16/1	É	1	٩	]	1	•	7		7	;	2		ŝ	<u></u>	₹ •	2	<u>^</u>	Ę
Tetrachlomethene	1/64	<10	<u>6</u>	4	0.12	<1.0	3	÷	É	1	2	ź				!	•	-+	₹
	-	<u> </u>	 	6	<u>.</u>	ď	¥	6	4	ij	<1.0	41.0	41.0	ξţ	3.5	,	f		
Toluene	T.A.				Ţ	1	7	1	;	7	7	<u>.</u>	Δ	<u> </u>	6	3	4	40	3
1.1.1-Trichloroethane	1/8/1	<u>0.1&gt;</u>	0.1≥	Ş	\$1.¢	<u>2</u>	3	ê	â	- 5	1	1/2	1		;	7		2	₹
	-	<u>_</u>	26	<u></u>	<u>\$</u>	6	Ŋ	-1.0	4.0	Эş	4.0	<u>-</u>	Q.10	â	2	1	1	1	╽.
Trichlorocthene	1 Agri	† <del>-</del>	1	†		†	,	+	_	7	)	,	7	2	2	ş	٥ و	20	Ŋ
Vinvl Chloride	1/8/L	40	20	420	<2.0	2	इ	20	ş	\ \{\{\\\}}	Į į	4	6	1	- 1	?	; [	5	2
The Contract of	+	<del>-</del> †	\$	3	00	<u>.</u>	3	A	<u>4</u>	Ŋ	20	20	٥	40	20	Ę.u.	<2.0	0.7	3
Xylene	1/8th	4	1			⊩					<b>\</b>		-						

Not sampled

J X

Bold Spring was dry and was not sampled
Estimated value below the method detection limit
Performance monitoring result exceeds the performance standard

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL KLAPPER SPRING TABLE 1

		<u>,</u>	May 7001	_	ų E	June 2001	<u> </u>	ا 1	Jயுy 2001		Αu	Aug. 2001		8	Sep. 2001	<u> </u> 	8	Oct. 2001	1
AVALYTE	Units			<u> </u>	2	Ę	<u></u>	Š Č	Ę	즇	F	*5	E.	Cox	<b>≛</b> ⊊	KID	Cox	<b>≥</b> 9	晉
		٤	<b>*</b>	<u> </u>		*	<u> </u>	1	12	╧		-	_			₹	_	<u>-</u>	Ş
	Meri	<u>^</u>	<u> </u>	6	ë }	<u>6</u>	Ź	ð	<u>}</u>	Ą	Δ.θ	ŝ	2	ŝ	â	╇	1 5		1.
Chloroform	7.63	٤									;	;	,	<u>\</u>	<u>.</u>	\ <u>\</u>	<u>}</u>	€ 	Ź
	į	4	<u>^</u>	<u>^</u>	<u>^</u>	0.15	Ş	410	4.6	УÝ	0.0	0.0	1.0	ź	3	ŀ	┿	╁	1
1,1-Dichloroethene	µg/L	4	ź	1		1				,				5	<u>}</u>	₹ -	<u> </u>	40	Ź
Ci. 1 2 Dichlamathene	Leg-(I)	6	Ó	4.6	ŝ	₹ 2	3	4.0	1.2	Ŋ	ê	2.0	1	Ê	٤	<u>                                     </u>			۱ ۱
CIS-1-CINITAL CONTOC	;						,			7		}	<u>}</u>	<u> </u>	<u>.</u>	3	8	<u>چ</u>	Į
Trans-1,2-Dichloroethene	µg/L	£0.5	Ę,	ě	<u>\$</u>	ê	1	É	į		;					7	-+	-+	\$
		     0   0	<1.0	£	6	0.I>	Dry	<1.0	<1.0	ργ	4.0	0.1>	<u>ئ</u>	6.0	ŝ	3	1	٤	1 :
Lettachioroemene	1								;	DIV.		2	<u>^</u>	<u> </u>	<u>^</u>	ğ	<u>^</u>	<u> </u>	Ę
Toluene	µg/L	<1.0	<1.0	4.0	41.0	10	γį	<u> </u>	0.10	1	4.8	{	: [ 2			₹	2	1	\$
1 1 1 Trichlomethane	1/24	61	45	€1. <del>0</del>	4.6	40	Dry	<1.0	<u>\$.</u> 0	) F	41	40	<u> </u>	Ê	5	1			1
1900	<del>-  </del>	;	3	-	-	<u>^</u>	Ą	5	Ş	ЭŢ	619	5	<u>^</u>	6	÷	Liny	<1.0	ê	5
Trichloroethene	1/gH	ê	É	É	1	1	1		+	,			;	}	}	à	0	2	Ş
Vinyl Chloride	LL/Q/L	<2.0	60	20	٥	2.0	Dry	Ą	0.0	Pay	Ą	Ş	Ş	2.0	2.0	1	1	1	,
* Itali Amarian	;	1	1	1	1		1	1	)	7	<u>\</u>	٥	٥	8	۵	Ş	20	42	Ş
Xylene	J/gu	20	Ą	Ş	Ş	2		\ \{				ľ							ĺ

₽×,

Not sampled
Spring was dry and was not sampled
Spring was dry and was not sampled
Estimated value below the method detection limit
Performance monitoring result exceeds the performance standard

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL KLAPPER SPRING TABLE 1

						7, 7, 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		ا ي	Jan. 2002		퍃	Feb. 2002		M	Mar. 2002	. <del>.</del>	Ap.	Apr. 2002	
		3	NOV. 2001	<u> </u>	۱,	}   }		<u>'</u>		<u> </u>		ź		<u>ှ</u>	<b>2</b>	Ş.	Ç	5 —	₽
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			┇	<u> </u>				}	410	<10	<u> </u>	4	6	<u>0</u>	<u>\$</u>	6	<u>-</u>	0.(>	≙
Chleroform	T/gH	4.0	6	3	Ê	5	2	2		!				:	<u> </u>	}	4		5
	`			<u></u>	<u>^</u>	<u>^</u>	- 6.12 - 1.0	<u>ئ</u>	<u>^</u>	4	6	<u>^</u>	<1.0	\1.0 	0.0	2	Ę	╂╾	
1,1-Dichloroethene	1/8/1	<1.0	Ê	,	٤	1									}	<u>`</u>	<u> </u>	<u>^</u>	6
Cir. 1 2-Dichlamethene	ا المعتر	<1.0	δ	á	<del>\$</del>	<1.0	<1.0	¢15	6.15	6	40	Ş	5	Ę	1 2	ź	-+-		.
	;		3	Ş	8	ě	<u>.</u>	Ş	Ą	å	₽.	₽.5	۵ ک	95	8	ê	8	9	1 8
Trans-1,2-Dichleroethere	HQ/L	É	1					7							4	60	<u>6</u>	6.1	ī
Tetrachloroethene	1/8/L	<u>\$1.0</u>	0.1≥	Dry	4.1>	0.1>	£	2 S	) (1.0	2	1	ź		į			;	\$	}
	Ilon	1.4	∆ •	Ďχ	€1.Þ	<1.0	4.0	61	0.1>	0.1>	41.0	4.0	<u>6</u>	<u></u>	4	1	1 2	1	1
Loancie	78	+		7	<del>,</del>	}	<u>}</u>		ê	<u> </u>	ĵ	<u>- 10</u>	6.5	6.1>	△1.0	4.0	0.0	<1.0	6
1,1,1-Trichlomethane	1/8/1	<u>^1.5</u>	<u> </u>	1	2	1	<b>+</b>	†;	1				,	3	2 0	2	<u>۵</u>	4	0.43
Trichloroethene	Hg/L	<u>\$</u>	4.0	ρly	<1.0	<1.0	4.0	41.6	6	<u> </u>	£	A A	12	2	/ 2	9.50	1		
TIMEBOLOGEN	†   	Ì	1	7	٦	1			}	}	<u>`</u>	٥	٥	ò	۵	00	0.0	۵	Ą
Vinyl Chloride	µg/L	20	20	D.J.	Ą.	Ą	Ş	2	8	٥	5	1	.   {	; [	}	3	3	٥	2
	-	3	٥	3	2	Ą	Ą	Ą	20	2	ģ	2.0	2.0	20	Ą	22	٧.5	1	
Xylene		-			- 	-	-												

J D NS

Bold Not sampled

Spring was dry and was not sampled

Estimated value below the method detection limit

Performance monitoring result exceeds the performance standard

SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND BROOKS, BULLITT COUNTY, KENTUCKY TRI-CITY INDUSTRIAL DISPOSAL KLAPPER SPRING TABLE 1

																1			
		:	3	_		7007	7	ا ائ	July 2002	~	ě	Aug. 2002	2	Se	Sep. 2002	<b>~</b>	ŏ	Oct. 2002	
	Tail.	] 3	May Voor	<u> </u>			<u>'</u>		Į'	<u> </u>	ទ	ş	š	<u>و</u>	Ş	Ę,	Ê	*5	Ş
AIVALL LES		ğ	25	1	Ş	*		<u> </u>	2			2					<u>\</u>	<u> </u>	2
		ß	<u>^</u>	<u> </u>	ŝ	£	40	40	4.0	ργ	0.0	<1.0	y.	6	á	Ê	1	1	}
Chloroform	148/1		į			1				7		;	2	,	2	<u>^</u>	<u>^</u>	10	<u> </u>
	-	ž	<u> </u>	6	<u>^</u>	40	<u>6</u>	6	40	Ą	<1.0	<1.0	4	2	2	1	غ ا	<u> </u> ;	
1,1-Dichloroethene	1/84	7	1	1									Ş		<u>\</u>	4	<u>^</u>	- -	<u> </u>
	l loll	S	<u>^</u>	4	<u>\$</u>	2.0	6	<1.0	0.15	Dify	-6.6	<u> </u>	5	1	1	Į	į	:	
Cis-1,2-Dichiprocusence	1000								•	, I	3	}	D T	8	<u>.</u>	Š	£	3,0	26
Trans-1,2-Dichloroethene	1/8/1	3	40.5	Ą	ê	ê	4	7	1	1		1	7		;	;	}	V 7	1 7
	-	NS.	46	9.73	<u> </u>	40	0.1∆	í	<u>∆</u>	ĐŢ	0.15	615	Ϋ́	Q.15	4.1>	4.8	4	1	:
Tetrachloroethene	1/84		1					7		7	,	-	٦	<u>-</u>	<u>^</u>	_ ∆	0.0	40	<u>&lt;1.0</u>
Tojuene	1/8/L	NS	40	0.0	4.0	6.1>	6	Ą	4.0	3	2	2	7		:	;	<u> </u>	-	<u>^</u>
	, lo/I	SN	<u>-</u>	÷	<u>^</u>	41.0	0.0	٥,	4.0	3	0.1>	Ą	- 514	ê	0.5	1	2	ė	
1,1,1-11Emioroguane	١	1	†	1	7		;	;		Ş	<u>.</u>	<u> </u>	Ę	<u> </u>	6	<u>ئ</u>	4.0	0.0	¢1.0
Trichloroethene	<i>µg/</i> L	NS.	<u> </u>	4.5	á	â	46	â	£	1	1	1	╌ <del>┤</del> ╌	:		1	}	3	۵
	- <del> </del>	Z	<u>م</u>	Ā	ę	Ą	2	Ą	Ą	Ą	ğ	Ą	LJ7	20	ê	٤	1	1	1
Vinyt Chloride	187	+	†	†	1	1	1			ş	\ \ \	}	D T	20	<del>-</del>	Ą	٥Ġ	۵	40
Yokane	1/844	ß	20	Ą	Ş	420	2.0	12.0	2		(	⊩-	╟╌				l		
2,000									•										

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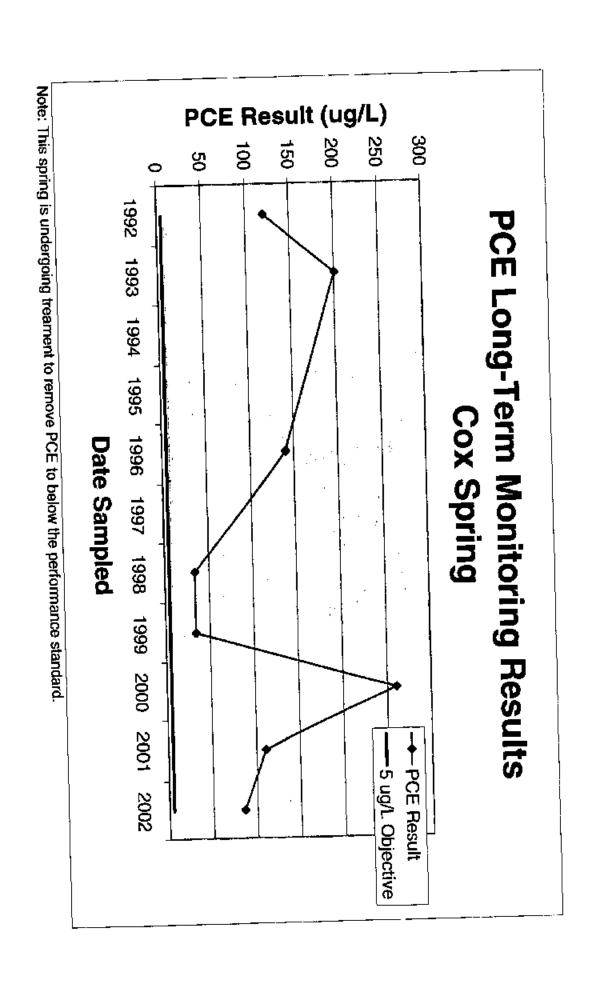
Bold Not sampled

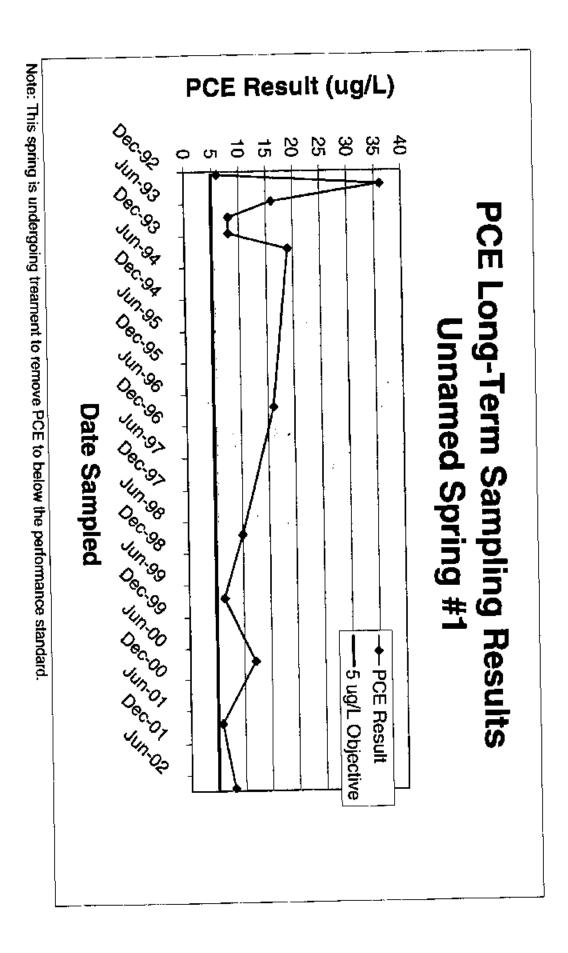
Spring was dry and was not sampled

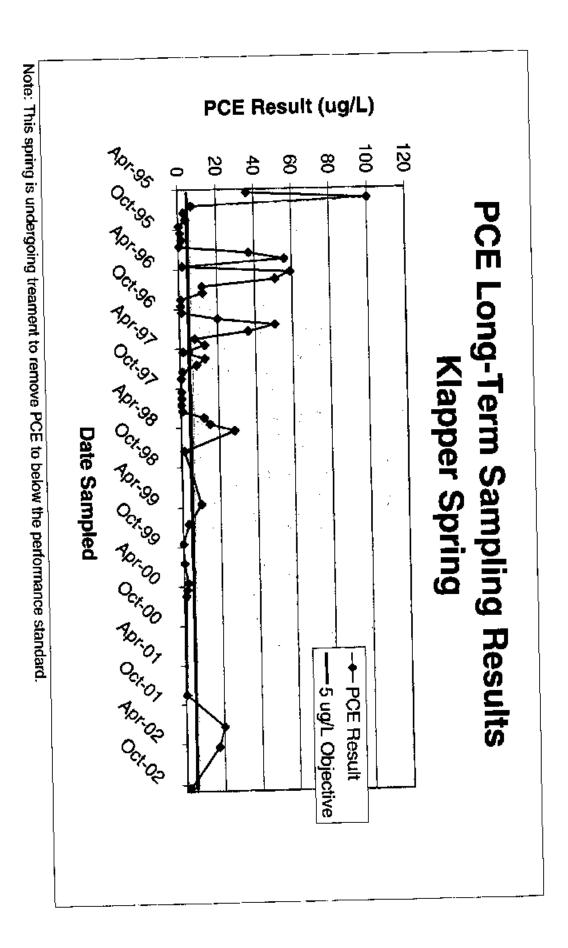
Spring was dry and was not sampled

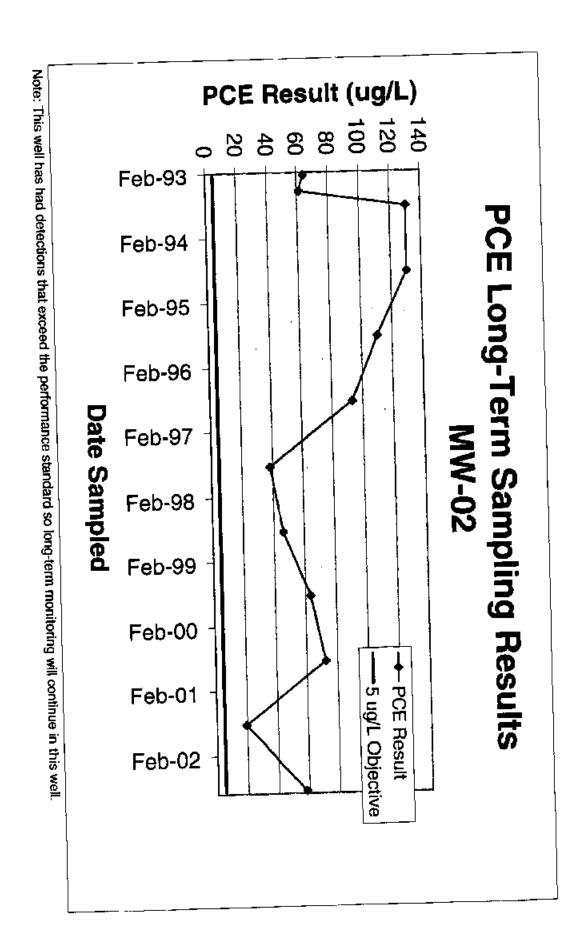
Estimated value below the method detection limit

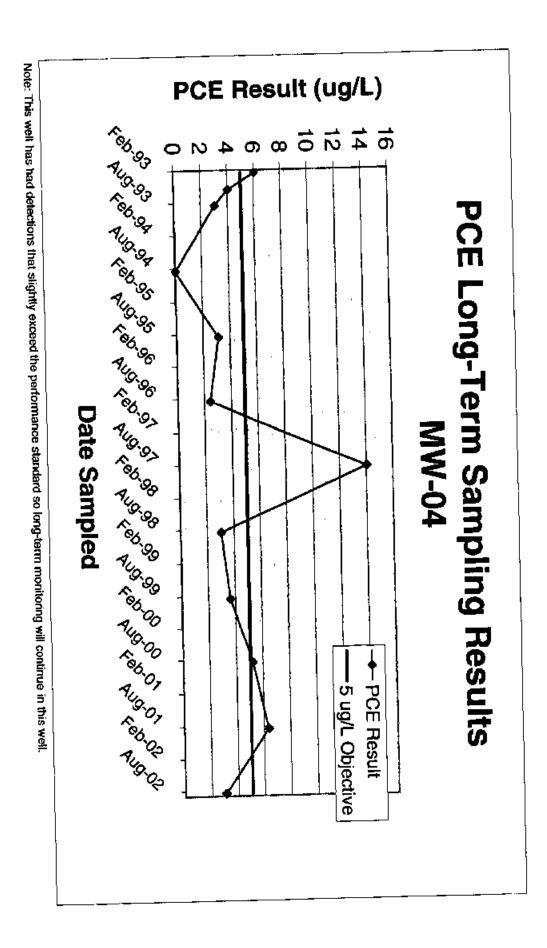
Performance monitoring result exceeds the performance standard

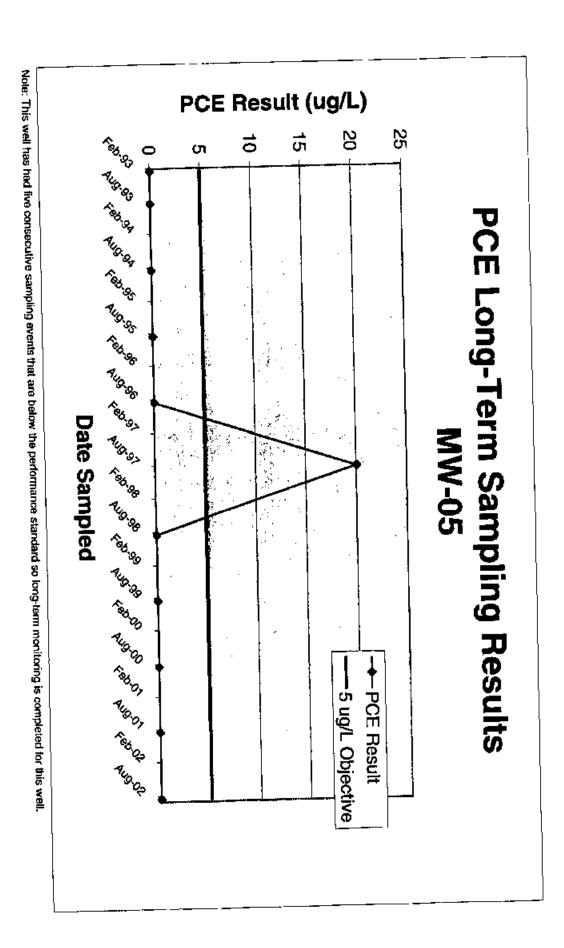












# ${\bf Attachment} \ {\bf C}$ ${\bf Monthly \ System \ Operation \ And \ Inspection \ Logs}$



# T+C CONTRACTING, INC.

6301 PENDLETON ROAD P.O. BOX 72398 LOUISVILLE, KENTUCKY 40272-0398

502/937-3433 FAX/937-8636

Mr. James Forney Waste Management Inc. 1725 Newburgh Rd., Suite #100 Livonia, Ml. 49152

RE: Tri-City Disposal Site, Operation\Maintenance Report (1-98).

Mr. Forney;

On 2-2-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

Date: 2-258 Time: 400pm Operator: South A.  Ambient Temp. (°F) 50 Weather Conditions: P.C.	bryes	
Cox Spring  1. Three-way valve position (normal) or auxiliary):  2. Pressure gauge reading:  2. Flow meter reading:	mel 3.5 09484 8.0	psig gailons gpm
·	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		۔ ت
5. Exposed pipe insulation in acceptable condition?		
6. Significant accumulation of solids in Collection Tank or Spring House?	MA	
10	mal 6.0 187949 8.0	psig gallons gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		
11. Exposed pipe insulation in acceptable condition?	山口	
12. Significant accumulation of solids in Collection Tank or Collection Structure?	0/10	

Treatment Building	_		
13. Number of spent carbon drums in building.	ن ن		
14. Number of virgin carbon drums in building.	<u> ۲۷</u>		<del></del>
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?			
16. Building structure (roof, doors, paint) in acceptable condition?			
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			
19. Heat tracing and drum heaters in acceptable condition?			□.
20. Level sensors functional?	$\Box$		□.
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?		<b>I</b> .	
Item #  7	MARK	<del>2</del>	
Additional Facility Information:			

THE REST OF STREET

:



## T-C CONTRACTING, INC.

6301 PENDLETON ROAD P.O. BOX 72398 LOUISVILLE, KENTUCKY 40272-0398

502/937-3433 FAX/937-8636

Mr. James Forney Waste Management Inc. 17250 Newburgh Rd., Suite #100 Livonia, Ml. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (2-98).

Mr. Forney;

On 2-26-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

Date: 2-24-98 Time: 1030 Operator: SA Har-	<u>/                                    </u>	
Cox Spring  1. Three-way valve position (normal or auxiliary):  7.	mnl 5 4807	psig gallons gpm
	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		ä.
5. Exposed pipe insulation in acceptable condition?		
6. Significant accumulation of solids in Collection Tank or Spring House?	MAD	
Unnamed Spring #1 7. Three-way valve position (normal) or auxiliary): 8. Pressure gauge reading: 9. Flow meter reading:	mrl 6.5 77948	psig gailons gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<b>ø</b> 0	
11. Exposed pipe insulation in acceptable condition?		
12. Significant accumulation of solids in Collection Tank of Collection Structure?	Alpe	

			· .
Treatment Building	,	·	
13. Number of spent carbon drums in building.	<u>_</u>		
14. Number of virgin carbon drums in building.		<del></del>	<u> </u>
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?			
16. Building structure (roof, doors, paint) in acceptable condition?		□	
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			
19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?			□.
21. Pressure switches/actuators functional?	<u> </u>	Ĵ□. '	
22. Automatic dialer/phone line functional?	₩		
Comments			
Item #			
			<del></del>
Additional Facility Information:			
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<u> </u>			

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# T+C CONTRACTING, INC.

6301 PENDLETON ROAD P.O. BOX 72398 LOUISVILLE, KENTUCKY 40272-0398

502/937-3433 FAX/937-8636

Mr. James Forney Waste Management Inc. 17250 Newburgh Rd., Suite #100 Livonia, Ml. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (3-98).

Mr. Forney;

On 3-30-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

	i
Date: 3-30-95 Time: 9:30 Operator: 50.74 Hours	
Ambient Temp. (°F) 78 Weather Conditions: PC	
Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:	psig gallons gpm
Yes 1	Action No Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	
5. Exposed pipe insulation in acceptable condition?	
6. Significant accumulation of solids in Collection Tank or Spring House?	
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  7	psig gallons gpm
Yes	Action No Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	
11. Exposed pipe insulation in acceptable condition?	
12. Significant accumulation of solids in Collection Tank or Collection Structure?	

Treatment Building	` '
13. Number of spent carbon drums in building.	<u> </u>
14. Number of virgin carbon drums in building.	Action
	Yes No Required
15. General housekeeping/debris around Treatment Building is acceptable?	
16. Building structure (roof, doors, paint) in acceptable condition?	
17. Any leaking pipes, fittings, valves, equipment?	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	
19. Heat tracing and drum heaters in acceptable condition?	
20. Level sensors functional?	
21. Pressure switches/actuators functional?	
22. Automatic dialer/phone line functional?	
Comments Item #	
Additional Facility Information:	
	<u> </u>

i

Mr. James Forney Waste Management Inc. 17250 Newburgh Rd., Suite #100 Livonia, Mt. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (4-98).

Mr. Fomey;

On 4-29-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

& Attrey-

50.11.4h	110	
Date: 4-29-58 Time: 4: app Operator: 5co 4 Hb	An	
Ambient Temp. (°F) 65	<del></del>	
1. Three-way valve position continued and	mnl 33302 7.5	psig gallons gpm
	Yes No	Action Required
General housekeeping/debris around Collection Tank and     Spring House is acceptable?	回口	۵
5. Exposed pipe insulation in acceptable condition?	ल □	□.
6. Significant accumulation of solids in Collection Tank or Spring House?	Ala a	
Unnamed Spring #1 7. Three-way valve position normal or auxiliary): 8. Pressure gauge reading: 9. Flow meter reading:	mal Le. 0 18803Ce 8.0	psig gsilons gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<b>d</b> 0	
11. Exposed pipe insulation in acceptable condition?	d o	
12. Significant accumulation of solids in Collection Tank or Collection Structure?	Ada 🗆	

والمراجع				
Treatment Building	0			
13. Number of spent carbon drums in building.	4		<u> </u>	
14. Number of virgin carbon drums in building.			Action	
	Yes	No	Required	<b>!</b> _
15. General housekeeping/debris around Treatment Building is	Ø.			
acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?	<u> </u>			
17. Any leaking pipes, fittings, valves, equipment?				1
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	□ <b>/</b>	_ <del></del> _		
19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?		/ <b>_</b> / <b>_</b>		
21. Pressure switches/actuators functional?	☐ ☐			
22. Automatic dialer/phone line functional?	<u> </u>	<u></u>		4
Comments				١
Item #				- [
		<u></u>		- [
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	. <del> </del>			-
	<u></u>	<del></del>		-[
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Additional Facility Information:				<del></del>
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# T+C CONTRACTING, INC.

6301 PENDLETON ROAD P.O. BOX 72398 LOUISVILLE, KENTUCKY 40272-0398

502/937-3433 FAX/937-8636

Mr. James Forney Waste Management Inc. 17250 Newburgh Rd., Suite #100 Livonia, Ml. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (5-98).

Mr. Forney;

On 5-28-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
   Security fence had been constructed around Klapper Spring, samples will now be taken approximately 50' down stream outside the perimeter of the fenced area. Photos taken of area and sent to Carl Shaw, RUST E&I.
- All samples sent for analysis.
- . END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

Date: 5-21-58 Time: 1130 Operator: Sull A  Ambient Temp. (°F) 86 Weather Conditions: Stanny	myse	
Cox Spring  1. Three-way valve position (normal) or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:	10.5 231 8.0	psig _gallons _gpm
	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		
5. Exposed pipe insulation in acceptable condition?		
Significant accumulation of solids in Collection Tank or Spring House?	创陷	
Unnamed Spring #1  7. Three-way valve position (normal) or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:	188054 8.0	psig gallons gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		
11. Exposed pipe insulation in acceptable condition?		
12. Significant accumulation of solids in Collection Tank or Collection Structure?	Alle	

Treatment Building			
13. Number of spent carbon drums in building.	<u></u>		<del>-</del> ]
14. Number of virgin carbon drums in building.	<u> </u>		
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	<b>1</b> 2'.		
16. Building structure (roof, doors, paint) in acceptable condition?		□	
17. Any leaking pipes, fittings, valves, equipment?		<b>□</b>	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			
19. Heat tracing and drum heaters in acceptable condition?	□ Z		
20. Level sensors functional?	☑.		
21. Pressure switches/actuators functional?	Image: section of the sec	<b>_ _</b>	
22. Automatic dialer/phone line functional?	<u> </u>		
Comments Item #			
Additional Facility Information:			
		··········	

Mr. James Forney Waste Management Inc. 17250 Newburgh Rd., Suite #100 Livonia, Mi. 48152

RE: Tri-City Disposal Site, Operation/Maintenance Report (6-98).

Mr. Forney;

On 6-25-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring meter was replaced, system up and operating adequately. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- . END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw | RUST E&I

	<u> </u>			
	bient Temp. (°F) 95 Weather Conditions: Scale		Ster	rid
<u>Cor</u> 1. 2.	Spring  Three-way valve position normal or auxiliary):  Pressure gauge reading:	mal. 10 238244		_psig _gallons
3.	Flow meter reading:	9.0		gpm Action
	•	Yes	No	Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	<u> </u>		
<i>5</i> .	Exposed pipe insulation in acceptable condition?	Ø		
6.	Significant accumulation of solids in Collection Tank or Spring House?	<i>1</i> 2//	9□.	
Un 7. 8.	named Spring #1  Three-way valve position (normal or auxiliary):	ما کورون		psig
9.	Flow meter reading:	1880°	12	gallons gpm
		Yes	No	Action Required
10.	General housekeeping/dehcis around Collection Tank and Collection Structure is acceptable?	ď	П	口
11.	Exposed pipe insulation in acceptable condition?	e		
12	Significant accumulation of solids in Collection Tank or Collection Structure?	in the		

7011.11						
Treatment Building						
14. Number of virgin carbon drums in building.	<del>*</del>		_			
14. Number of Virgin Survey	Yes	No	Action Required			
15. General housekeeping/debris around Treatment Building is acceptable?			<b>□</b>			
16. Building structure (roof, doors, paint) in acceptable condition?	Ū∕					
17. Any leaking pipes, fittings, valves, equipment?		<b>豆</b>				
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	<u>1</u> 2					
19. Heat tracing and drum heaters in acceptable condition?	[년] [년]	_ <u>□</u>				
20. Level sensors functional? 21. Pressure switches/actuators functional?	<b>a</b>					
22. Automatic dialer/phone line functional?						
Item #  Cox spang Roplace meter, breecht system inf  working fine. Many need to similar out combon  Jeums on near Guterre.						
Additional Facility Information:						

Date: 7-30-85 Time: 3:00 Operator: Scott Houses  Ambient Temp. (°F) 80 Weather Conditions: Churchy						
Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:    Cox Spring						
	Yes No	Action Required				
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		<u> </u>				
5. Exposed pipe insulation in acceptable condition?		<u> </u>				
6. Significant accumulation of solids in Collection Tank or Spring House?	10/40					
7. Three-way valve position (normal of auxiliary).	Mumbl Lo 1881460 8,0	 psig gallons gpm				
	Yes No	Action Required				
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?						
11. Exposed pipe insulation in acceptable condition?						
12. Significant accumulation of solids in Collection Tank or Collection Structure?	A/AO					

		<del></del> 7 ``
14. Number of virgin carbon drums in building.	> l > 3 Yes No	Action Required
<ol> <li>General housekeeping/debris around Treatment Building is acceptable?</li> <li>Building structure (roof, doors, paint) in acceptable condition?</li> <li>Any leaking pipes, fittings, valves, equipment?</li> <li>First aid kit, emergency eye wash, fire extinguisher in acceptable condition?</li> <li>Heat tracing and drum heaters in acceptable condition?</li> <li>Level sensors functional?</li> <li>Pressure switches/actuators functional?</li> <li>Automatic dialer/phone line functional?</li> </ol>		
Comments  Item #  13 diem share at for Con Special Control of the		
Additional Cachar, Autor		

	- J		1		
Date: 8/10/98 Time: 10:00 Operator: Carl Shaw					
Ambient Temp. (°F) 90° Weather Conditions: Partly C	7				
Cox Spring	<u>.</u> ام		_		
1. Three-way valve position (normal of advantary).	10		_psig		
	8295	<u> </u>	_gallons		
J. 110W MINISTER	<u> </u>		_gpm		
	Yes	No	Action Required		
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	Ø.				
5. Exposed pipe insulation in acceptable condition?	Ø				
6. Significant accumulation of solids in Collection Tank or Spring House?	NA HA				
Unnamed Spring #1					
7. Three-way valve position (normal or auxiliary): Normal	<u> </u>		<del></del>		
9 Pressure pange reading:	6		psig gallons		
O Plant meter reading:	8.0 8.0		gpm		
	Yes	No	Action Required		
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?					
11. Exposed pipe insulation in acceptable condition?	Ø				
12. Significant accumulation of solids in Collection Tank or Collection Structure?		<u> </u>			

Treatment Building					
13. Number of spent carbon drums in building.	1				
14. Number of virgin carbon drums in building.	3		<del></del>		
	Yes	No	Action Required		
15. General housekeeping/debris around Treatment Building is acceptable?	Ø				
16. Building structure (roof, doors, paint) in acceptable condition?	<b>X</b> .				
17. Any leaking pipes, fittings, valves, equipment?		Ø			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	区				
19. Heat tracing and drum heaters in acceptable condition?	区				
20. Level sensors functional?	X				
21. Pressure switches/actuators functional?	X				
22. Automatic dialer/phone line functional?	X				
Comments Item #					
Additional Facility Information:					

Date: 9-28-81 Time: 1200 Operator: 500+ Huyses Ambient Temp. (°F) 80 Weather Conditions: 50 May						
Cox Spring  1. Three-way valve position (negatial defauriliary):  2. Pressure gauge reading:  3. Flow meter reading:  23 83 3 7 galions  gpm						
**************************************	Yes No	Action Required				
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		□ <sub>-</sub>				
5. Exposed pipe insulation in acceptable condition?						
6. Significant accumulation of solids in Collection Tank or Spring House?	M/BO					
Unnamed Spring #1  7. Three-way valve position inermal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. D psig  8/88/199 gallons  9. D spm  Action						
10. General housekeeping/debris around Collection Tank and	Yes No	Required				
Collection Structure is acceptable?  11. Exposed pipe insulation in acceptable condition?						
12. Significant accumulation of solids in Collection Tank or Collection Structure?	12/100	□.				

Treatment Building						
13. Number of spent carbon drums in building.	<del>↓</del> —	· ·	[			
14. Number of virgin carbon drums in building.	<u>د</u>		<del></del>			
	Yes	No	Action Required			
15. General housekeeping/debris around Treatment Building is acceptable?	<b>12</b>					
16. Building structure (roof, doors, paint) in acceptable condition?	<b>D2</b>					
17. Any leaking pipes, fittings, valves, equipment?		<u>ਯ</u> ੇ				
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?						
19. Heat tracing and drum heaters in acceptable condition?	<b>I</b>	, □				
20. Level sensors functional?	' □'	<b>/</b> □				
21. Pressure switches/actuators functional?	12/	J⊒.				
22. Automatic dialer/phone line functional?						
Item #	Link	n n	eck seg			
Additional Facility Information:						

Mr. James Forney Waste Management Inc. 17250 Newburgh Rd., Suite #100 Livonia, Mt. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (10-98).

Mr. Forney;

On 10-29-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system up and operating in auxiliary. High psi readings for both normal and auxiliary positions. Apparent restriction in line suspect the 3-way valve. Will begin repairs ASAP.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were not taken from Klapper Spring, spring and stream were not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank <u>y</u>ou,

Scott A. Hayes

Cc: Carl Shaw - RUST E&

Ambient Temp. (°F) 75 Weather Conditions: Status)					
Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:  2. Spring  2. Spring  2. Spring  3. Spring  2. Spring  3. Spring  3. Spring  3. Spring  4. Spring  5. Spring  5. Spring  6. Spring  7. Spring  9. Sp					
		Yes	No	Action Required	
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	<u> </u>		٠	
5.	Exposed pipe insulation in acceptable condition?	ø′		<b>=</b> :	
6.	Significant accumulation of solids in Collection Tank or Spring House?	冲/	AEI		
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  7. Three-way valve position (normal or auxiliary):  9. Spring position (normal or auxiliary):  7. Three-way valve position (normal or auxiliary):  9. Spring position (normal or auxiliary):  7. Three-way valve position (normal or auxiliary):  9. Spring position (normal or auxiliary):  7. Three-way valve position (normal or auxiliary):  9. Spring position (normal or auxiliary):  7. Spring position (normal or auxiliary):  9. Spring position (normal or auxiliar					
		Yes	No	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?				
11.	Exposed pipe insulation in acceptable condition?	ø			
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	<b>a</b> /	Pá.	ت ا	

Treatment Building		-	
13. Number of spent carbon drums in building.	<u> </u>		]
14. Number of virgin carbon drums in building.	4		
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	<u>"</u>		
16. Building structure (roof, doors, paint) in acceptable condition?	9		
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			□
19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?		□	
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?	ď		
Item # 2 Apparent restriction in line   Violve nut housing property	le II	j nve	S has
Additional Facility Information:		· · ·	

12 . 13 . 14 .

Report for 11-98

Date: // -30-98 Time: Liet ft Operator: Sent House  Ambient Temp. (*F) 50 Weather Conditions: poly eld						
Cox Spring  1. Three-way valve position (normal) or suxiliary):  2. Pressure gauge reading:  3. Flow meter reading:  16 psig gallons gpm						
•	Yes	No	Action Required			
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?			Ö.			
5. Exposed pipe insulation in acceptable condition?	Ø		ت			
6. Significant accumulation of solids in Collection Tank or Spring House?	/由/					
Unnamed Spring #1  7. Three-way valve position (normal or suxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  7.5 gpm						
	Yes	No	Action Required			
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<b>D</b> 2					
11. Exposed pipe insulation in acceptable condition?	Ø		□.			
12. Significant accumulation of solids in Collection Tank or Collection Structure?	Ø,	<b>/A</b>	□.			

o .	<b>1</b> 35	0 2	93	78	63	6

Treatment Building			ŀ
13. Number of spent carbon drams in building.			– 1
14. Number of virgin carbon drums in building.			
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	回		<u> </u>
16. Building structure (roof, doors, paint) in acceptable condition?		_/	
17. Any leaking pipes, fittings, valves, equipment?		団	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		<u> </u>	
19. Heat tracing and drum heaters in acceptable condition?	D.	_	
20. Level sensors functional?	. حمدی		□.
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?			
Comments  Item #  Additional Facility Information:  Smaple baller not fast this as made he held have better kept a		6	

Report for 12-98

_						
Date: /-//-99 Time: /2:40 Operator: Chayes						
Am	bient Temp. (°F) 35 Weather Conditions: 5	harry			—— <u> </u>	
	. Spring				_psig _psig	
1.	1 Martine) (212 hourse (412 ))	2 Minus	<u> </u>		· [	
2.	Pressure gauge reading:				psig	
3.	Flow meter reading: —	- 4				
	_				_gpm	
		_	Yes	No	Action Required	
4.	General housekeeping/debris around Collection Tank an Spring House is acceptable?	nd	<b>a</b>		α.	
5.	Exposed pipe insulation in acceptable condition?		<b>Z</b>			
6.	Significant accumulation of solids in Collection Tank of Spring House?	r	M,	HO.		
Un	named Spring #1		. 0		]	
7.	1990-40) 1010 1010-1-1-1	<u>nan</u>	-		- <u></u> . i	
8.	Pressure gauge reading:		<u> </u>		psig	
9.	Flow meter reading: — —		2.6		_gallons _gpm	
			Yes	No	Action Required	
10.	General housekeeping/debris around Collection Tank an Collection Structure is acceptable?		ď	۵		
11.	Exposed pipe insulation in acceptable condition?		es a		α.	
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	: 	12/	<b>4</b> 🗆	□.	

4. Number of virgin earbon drums in building.  Yes No Required  S. General housekeeping/debris around Treatment Building is acceptable?  6. Building structure (roof, doors, paint) in acceptable condition?  7. Any leaking pipes, fittings, valves, equipment?  7. Any leaking pipes, fittings, valves, equipment?  7. Heat tracing and drum heaters in acceptable condition?  7. Level sensors functional?  7. Pressure switches/actuators functional?  7. Comments  Comments	restment Building _					
Yes No Required  The secretable of the second	3. Number of spent carbon drums in building.					
Yes No Required  Yes No Required  Yes No Required  16. Building structure (roof, doors, paint) in acceptable condition?  17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #	4. Number of virgin carbon drums in building.	<u> </u>		Action		
acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?  17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/accustors functional?  22. Automatic dialer/phone line functional?  Comments  Item #		Yes	No			
16. Building structure (roof, doors, paint) in acceptable condition?  17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/accustors functional?  22. Automatic dialer/phone line functional?  Comments  Item #	15. General housekeeping/debris around Treatment Building is	<b>Ø</b> :				
17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #  Additional Facility Information:	16. Building structure (roof, doors, paint) in acceptable	Œ				
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #  Additional Facility Information:	17. Any leaking pipes, fittings, valves, equipment?		Ø			
19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #  Additional Facility Information:	18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	ď				
20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #  Additional Facility Information:	19. Heat tracing and drum heaters in acceptable condition?	<b>—</b> .		-		
21. Pressure switches/activators functional?  22. Automatic dialer/phone line functional?  Comments  Item #  Additional Facility Information:		₫.	<u> </u>	i —		
Comments  Item #  Additional Facility Information:	21. Pressure switches/actuators functional?			_		
Item #	22. Automatic dialer/phone line functional?	<u> </u>				

RE: Tri-City Disposal Site, Operation\Maintenance Report (1-99).

Mr. Forney;

On 2-1-99, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was found to be operating adequately, all system checks performed. Electrical problem still remains with actuator, have contacted Chandler Electric for on-site diagnostic.
- Unnamed Spring #1 was found to be operating adequately, all system checks
  performed and no deficiencies found. Noticed erratic tank level readings,
  possible problem with pressure sensor in pump, will monitor.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

	emp. (°F) 40 Weather Conditions:		-yes		
2. Pressu		norm 15 2:	ml. 5 38405	<u> </u>	psig gallons gpm
	; :		Yes	No	Action Required
4. Genera Spring	il housekeeping/debris around Collection Tank House is acceptable?	and			ū.
5. Expose	ed pipe insulation in acceptable condition?		Ø		
	cant accumulation of solids in Collection Tank House?	or	m/	<b>4</b> □	
8. Pressur	Spring #1 way valve position (normal or auxiliary): re gauge reading: neter reading:		162 80 8	<u> </u>	psig galions gpm
			Yes	No	Action Required
10. Genera Collect	il housekeeping/debris around Collection Tank tion Structure is acceptable?	and	<b>I</b>		
11. Expose	ed pipe insulation in acceptable condition?		4		
12. Signifi	cant accumulation of solids in Collection Tank tion Structure?	or	凼/	/ #121	□.

Treatment Building	· ·		<u>-</u> ,
13. Number of spent carbon drums in building.	<del>2</del>		
14. Number of virgin carbon drums in building.			
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	ď.	'	<u> </u>
16. Building structure (roof, doors, paint) in acceptable condition?	ď.	<b>□</b>	
17. Any leaking pipes, fittings, valves, equipment?		4	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			
19. Heat tracing and drum heaters in acceptable condition?		<u>_</u>	
20. Level sensors functional?			<b>.</b>
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?		□.	
Comments Item #  Additional Facility Information:			
Additional Facility (International			
	. <del> ·</del> <del></del>		

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RE: Tri-City Disposal Site, Operation\Maintenance Report (02-99).

Mr. Forney;

On 3,2,99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system up and operating in auxiliary. High psi readings for both normal and auxiliary positions. Possible problem with 'Time Delay', have sent drawings to Chandler Electric for troubleshooting.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you.

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

9

Dat	te: 3-2-99 Time: 12.34 Operator: Scott	Hmyes	
Aп	weather Conditions: Ptu.	Shn.	
Co 1. 2. 3.	Pressure gauge reading:	mnl 38334	psig gallons gpm
	·	Yes No	Action Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?		
5.	Exposed pipe insulation in acceptable condition?	o o	
6.	Significant accumulation of solids in Collection Tank or Spring House?	MAG	
<u>Un</u> 7. 8. 9.	Pressure game reading.	mol 3317 8.0	psig gallons gpm
		Yes No	Action Required
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<u>a</u> 0	
11.	Exposed pipe insulation in acceptable condition?		
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	Malon	

Treatment Building			
13. Number of spent carbon drums in building.	<u>}-</u>		
14. Number of virgin carbon drums in building.	<del>]</del>		
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	<b>7</b>		
16. Building structure (roof, doors, paint) in acceptable condition?		□	
17. Any leaking pipes, fittings, valves, equipment?		, E	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	<b>"</b>		♂
19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?	₽.		□.
21. Pressure switches/actuators functional?		, <b>Q</b> .	
22. Automatic dialer/phone line functional?			
Comments Item #			
Additional Facility Information:		······································	
		·····	

RE: Tri-City disposal Site, Operation\Maintenance Report (3-99)

Mr. Forney;

1.

On 4-1-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found. (Please see attached report)
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper spring, 1<sup>st</sup> sample from the spring, 2<sup>rd</sup> from normal testing area, and 3<sup>rd</sup> from the stream intersection approx. 100 ft. downstream of the spring.
- Security fence around Klapper Spring in good condition.
- · All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

	bient Temp. (°F) (o A Weather Conditions: Cleary	4.5		· · · · · · · · · · · · · · · · · · ·	
<u>C</u> 01 1. 2. 3.	Liant water recains	18476 18476 18476		psig gallons gpm	大田田 一年の日本日本日本日本日本日本日 こうし
		Yes	No	Action Required	-
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	ø			· · · · · · · · · · · · · · · · · · ·
5.	Exposed pipe insulation in acceptable condition?	<u>u</u>			***
6.	Significant accumulation of solids in Collection Tank or Spring House?	DPY		<u>u</u>	
<u>Un</u> 7. 8. 9.	Pressure gauge reading.	und La.5 7334 8.0		psig gallons gpm	
		Yes	No	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?				
11.	Exposed pipe insulation in acceptable condition?				
12.	Significant accumulation of solids in Collection Tank or Collection Structure?			<b>□</b> /	

Treatment Building	2		]
13. Number of spent carbon drums in building.	<u> </u>		<del>-</del>
14. Number of virgin carbon drums in building.	<u> </u>		Action
	Yes	No	Required
15. General housekeeping/debris around Treatment Building is acceptable?	<b>I</b>		, 
16. Building structure (roof, doors, paint) in acceptable condition?	⊈.		
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		<b></b>	
19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?			
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?	<b>U</b>		
Comments  Item #  Le Opended draned and floring to 12  Opended draned And floring  Additional Facility Information:	Anks		
	<del></del>		
<u> </u>			

RE: Tri-City disposal Site, Operation\Maintenance Report (4-99)

Mr. Forney;

On 4-28-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencles found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

SCOTT A. Hayes

Cc: Carl Shaw

	te: 4-28-99 Time: 33" Operator: 50.41	•		
Αп	abient Temp. (°F) 45 Weather Conditions: Clay	E ASIA P	<u> </u>	
Co 1. 2. 3.	Pressure gauge reading:	mpl 7 385.87		psig gallons gpm ::
	•	Yes	No	Action Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	Ø	□	
5.	Exposed pipe insulation in acceptable condition?	₫ Ó		<u> </u>
6.	Significant accumulation of solids in Collection Tank or Spring House?			
<u>Un</u> 7. 8. 9.	Times-way vare position	mml 6 8836.	7	psig gallons gpm
	•	Yes	No	Action Required
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?			□
11.	Exposed pipe insulation in acceptable condition?			口
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	/ <u>h</u>	90	□.

والمرابع			
Treatment Building	3		
13 Number of spent carbon drums in building.	1		
14. Number of virgin carbon drums in building.			Action
	Yes	No	Required
15. General housekeeping/debris around Treatment Building is	四.		
acceptable?  16. Building structure (roof, doors, paint) in acceptable			
condition?  17. Any leaking pipes, fittings, valves, equipment?			
18 First aid kit, emergency eye wash, fire extinguisher in	<u>u</u> >		
acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?			
21. Pressure switches/actuators functional?	<u>덕</u>		
22. Automatic dialer/phone line functional?			<u></u>
Comments			
Item #			
	<del></del>		<del></del>
			<del></del>
			<del></del>
	<del></del>		
Additional Facility Information:			
Additional			
			<del></del>

RE: Tri-City disposal Site, Operation\Maintenance Report (5-99)

Mr. Forney;

On 6-3-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

Dat	e4-3-39 Time:///.OD Operator: 5.144	1.165			
Ambient Temp. (°F) 86 Weather Conditions: Clay					
All	lotent Temp. ( F) 0 7 7				
Co	x Spring				
1.	Three-way valve position (normal or auxiliary):	ninst.		<b>-</b>	
2.	Pressure gauge reading:	<u>४.८</u> ३९५ ११		psig galions	
3.	Flow meter reading:	8.0		gpm	
		Yes	No	Action Required	
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	<u> </u>		· 🗖 .	
5.	Exposed pipe insulation in acceptable condition?	Ø			
6.	Significant accumulation of solids in Collection Tank or Spring House?	/a/y	Ģ□		
IIn:	named Spring #1			Į	
7.		n nenon	<u> </u>	<u> </u>	
8.	Pressure gauge reading:	6.0 188389		_psig	
9.	Flow meter reading:	8.0		gallons gpm	
		Yes	No_	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<u> </u>			
11.	Exposed pipe insulation in acceptable condition?			۵.	
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	A	<del>9</del> 0	<b>□</b> .	

Treatment Building	2		
13. Number of spent carbon drums in building.	<del></del>		- I
14. Number of virgin carbon drums in building.	<del>- +</del>		Action
·	Yes	No	Required
15. General housekeeping/debris around Treatment Building is	Q'		
acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?			
17. Any leaking pipes, fittings, valves, equipment?		<u>u</u>	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	<b>1</b> 2		
19. Heat tracing and drum heaters in acceptable condition?	<b>団</b> .	` <b>□</b> .	🖵
20. Level sensors functional?	<b>S</b> .	$/\Box$ .	) o. )
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?			
Item #			
Additional Facility Information:			
		_	

RE: Tri-City disposal Site, Operation\Maintenance Report (6-99)

Mr. Fomey;

On 6-29-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples taken from Klapper Spring.
- Samples taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- . END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc. Carl Shaw

Date: 6-29.59 Time: 330 Operator: 5.404/6	35_ , 30	<u> </u>				
Ambient Temp. (°F) To Weather Conditions: 10+ Clear 30  Cox Spring  1. Three-way valve position (normal or auxiliary): 2 psig  2. Pressure gauge reading: 238593 galions						
2. Pressure gauge reading:  3. Flow meter reading:	<u>8593</u> 5		_galions _gpm			
	Yes	No	Action Required			
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	Q.					
5. Exposed pipe insulation in acceptable condition?	ŪŤ					
6. Significant accumulation of solids in Collection Tank or Spring House?		<i>1</i> € 1				
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9 gallons  9 gpm						
	Yes	No	Action Required			
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	Ū∕					
11. Exposed pipe insulation in acceptable condition?	₽					
12. Significant accumulation of solids in Collection Tank or Collection Structure?	□					

Treatment Building			
13. Number of spent carbon drums in building.			
14. Number of virgin carbon drums in building.			
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	<b>a</b> :		
16. Building structure (roof, doors, paint) in acceptable condition?	<b>□</b> ∕	□	
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			
19. Heat tracing and drum heaters in acceptable condition?	₩.		
20. Level sensors functional?	$\square'$ .		□.
21. Pressure switches/actuators functional?	<b>S</b>		
22. Automatic dialer/phone line functional?			
Item #  Additional Facility Information:			
Additional Facility Into States			
	<u>-</u>		

RE: Tri-City disposal Site, Operation\Maintenance Report (7-99)

Mr. Forney;

On 7-28-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

			1		
Date: 7-28-99 Time: 3:3() Operator: 5. Hayes  Ambient Temp. (°F) 96 Weather Conditions: 34, 274					
Cox Spring  1. Three-way valve position (normal) or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:  2. Spring  2. Spring  3. Spring  3. Spring  4. Spring  5. Spring  9. S					
	Yes	No	Action Required		
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	<u>u</u>		<b>-</b>		
5. Exposed pipe insulation in acceptable condition?			□		
6. Significant accumulation of solids in Collection Tank or Spring House?		PO .			
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):	mol 10 7545 8.0	7	psig gallons gpm		
	Yes	No	Action Required		
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<u>□</u>				
11. Exposed pipe insulation in acceptable condition?	Ø				
12. Significant accumulation of solids in Collection Tank or Collection Structure?	<u>h</u>	M			

Treatment Building	, ,		
13. Number of spent carbon drums in building.	1		
14. Number of virgin carbon drums in building.	[,		<del>-</del>
14. Tamper as 1-0	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is			
acceptable?  16. Building structure (roof, doors, paint) in acceptable	Ø	□	
condition?  17. Any leaking pipes, fittings, valves, equipment?		□.	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		 ´ ┌ <b>┐</b> `	
19. Heat tracing and drum heaters in acceptable condition?	<b>.</b> []∕.		\ <b>-</b> 1
20. Level sensors functional? 21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?	<u> </u>		
Item #  Additional Facility Information:			
		<del></del>	

Date: 8/5/99 Time: 10:00 Operator: Carl Shaw				
Ambient Temp. (°F) 80° Weather Conditions: Sunny	Calu	1		
Cox Spring				
There was velve position (normal or auxiliary):	nal.			
2 Pressure gauge reading:			_psig gallons	
1 3	8670 3.0		_gpm _garions	
<del></del>				
·	Yes	No	Action Required	
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	⊠			
5. Exposed pipe insulation in acceptable condition?	⋈			
6. Significant accumulation of solids in Collection Tank or Spring House?	Α□			
	rmal			
o Descente games reading:	.0	<u>-</u>	psig	
a Flammater sanding:	845 8.0	<u>ن</u>	gallons gpm	
	Yes_	No	Action Required	
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	Z			
11. Exposed pipe insulation in acceptable condition?	Ø			
12. Significant accumulation of solids in Collection Tank or Collection Structure?	VA 🗵			

Treatment Building	2		
13. Number of spent carbon drums in building.	3		_
14. Number of virgin carbon drums in building.		<del></del>	<del></del>
· ·	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	×		
16. Building structure (roof, doors, paint) in acceptable condition?	M		
17. Any leaking pipes, fittings, valves, equipment?		X	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	×		
19. Heat tracing and drum heaters in acceptable condition?	$\boxtimes$		
20. Level sensors functional?	×		
21. Pressure switches/actuators functional?	X		
22. Automatic dialer/phone line functional?	×		
Comments			
Item #			
			-
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<del></del>	<del> </del>		
	· <u> </u>		
Additional Facility Information:			
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RE: Tri-City disposal Site, Operation\Maintenance Report (9-99)

Mr. Forney;

On 9-29-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

Dat	te: 9-30-99 Time: 3300 Operator: 5 Hay 4	<u> </u>				
	Ambient Temp. (°F) 78 Weather Conditions: Shuny					
		<u></u> -				
<u>Co</u> 1. 2. 3.	Three-way valve position normal or auxiliary):  Pressure gauge reading:	nl 7.5 3868	¥	psig galions gpm		
		Yes	No	Action Required		
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	<b>□</b>		ا ا		
5.	Exposed pipe insulation in acceptable condition?	盘				
6.	Significant accumulation of solids in Collection Tank or Spring House?	MA	<b>}</b> □			
77-	and Casing #1					
<u> Uni</u> 7.	named Spring #1  Three-way valve position (normal or auxiliary):	mol				
8.	Pressure gauge reading:	6.0		psig		
9.	Flow meter reading:	8473 8		gallons gpm		
		Yes	No	Action Required		
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<b>S</b>				
11.	Exposed pipe insulation in acceptable condition?	母∕				
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	All	<b>≯</b> □	<b>.</b>		

Treatment Building					
13. Number of spent carbon drums in building.					
14. Number of virgin carbon drums in building.					
	Yes	No	Action Required		
15. General housekeeping/debris around Treatment Building is acceptable?					
16. Building structure (roof, doors, paint) in acceptable condition?	\\$\frac{\\$\delta'}{\}\]				
17. Any leaking pipes, fittings, vaives, equipment?		$\mathbf{\nabla}$			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	₫′	, 🗆			
19. Heat tracing and drum heaters in acceptable condition?	<b>豆</b> .,				
20. Level sensors functional?	'⊡'	, <del> </del>	□. [		
21. Pressure switches/actuators functional?					
22. Automatic dialer/phone line functional?					
Comments Item #					
		<u> </u>	_ <del></del>		
		<del></del> -			
	<del>.</del>				
		<del></del>			
Additional Facility Information:					
Additional Facility Intormation:					
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		<u>-</u>			

RE: Trl-City disposal Site, Operation\Maintenance Report (10-99)

Mr. Forney;

On 11-10-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scoπ A. mayes Cc: Carl Shaw

Date: 11-10-98 Time: 12:00 Operator: 5. Hayse  Ambient Temp. (°F) 70 Weather Conditions: P. Cldy/Lusum				
Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Possess cause reading:		psig gallons gpm		
	Yes No	Action Required		
General housekeeping/debris around Collection Tank and Spring House is acceptable?		D		
5. Exposed pipe insulation in acceptable condition?				
6. Significant accumulation of solids in Collection Tank or Spring House?	面产口			
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  7. Three-way valve position (normal or auxiliary):	unl 5.6 88495 8.0	psig gallons gpm		
	Yes No	Action Required		
10. General housékeeping/debris around Collection Tank and Collection Structure is acceptable?				
11. Exposed pipe insulation in acceptable condition?		□.		
12. Significant accumulation of solids in Collection Tank or Collection Structure?		<u> </u>		

Treatment Building	П		
13. Number of spent carbon drums in building.	<u>†                                    </u>		
14. Number of virgin carbon drums in building.	, -		
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑.		<u> </u>
16. Building structure (roof, doors, paint) in acceptable condition?	Œ		
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	4		⊡
19. Heat tracing and drum heaters in acceptable condition?		, 	
20. Level sensors functional?	9		□.
21. Pressure switches/actuators functional?		口	
22. Automatic dialer/phone line functional?	ď		
Item #  14 lenk in Cox Spring GAC1 che	4ns e	el ve	<del></del>
19 Pluscel in how t trace for unit			
20 Anstrolled / Refueb a / new m.	etse		
Additional Facility Information:			
		<del></del> -	

Address of the con-

RE: Tri-City disposal Site, Operation\Maintenance Report (11-99)

Mr. Forney;

On 12-1-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

Date: 12-1-97 Time: 300 pr Operator: 5. Holies  Ambient Temp. (°F) 50 Weather Conditions: 50004						
Cox Spring  1. Three-way vaive position (normal or suxiliary):  2. Pressure gauge reading:  3. Flow meter reading:  9.5 gallons  9.5 gpm						
		Yes No	Action Required			
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	₫⁄ □				
5.	Exposed pipe insulation in acceptable condition?	œ o	<u> </u>			
6.	Significant accumulation of solids in Collection Tank or Spring House?	M)PO				
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. Flow meter reading:  9. Spring #1  188508 gallons  9. Spring #1  188508 gallons  9. Spring #1						
		Yes No	Action Required			
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?					
11.	Exposed pipe insulation in acceptable condition?					
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	1/A				

Treatment Building	. I.				
13. Number of spent carbon drums in building.	7		_		
14. Number of virgin carbon drums in building.	<u> </u>				
	-Yes -		Action Required		
15. General housekeeping/debris around Treatment Building is acceptable?	☑.				
16. Building structure (roof, doors, paint) in acceptable condition?		□.			
17. Any leaking pipes, fittings, valves, equipment?		<b>□</b>			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			□		
19. Heat tracing and drum heaters in acceptable condition?					
20. Level sensors functional?		□.	□.		
21. Pressure switches/actuators functional?					
22. Automatic dialer/phone line functional?	<u>u</u>				
Comments Item #					
Additional Facility Information:					
	_				

Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (12-99)

Mr. Forney;

On 12-31-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Samples were taken from Klapper Spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

1	te: 12:00 Operator: 5. High		·
An	nbient Temp. (°F) 50 Weather Conditions: Cely	/	
<u>C</u> o 1. 2.	Pressure gauge reading:	rennel 8	psig
3.	Flow meter reading:	-38734 8	gallons gpm
		Yes No	Action Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?		
5.	Exposed pipe insulation in acceptable condition?	<u>f</u> -	
6.	Significant accumulation of solids in Collection Tank or Spring House?	PHA	
<u>Un</u> 7. 8. 9.	Three-way valve position (normal or suxiliary):  Pressure gauge reading:  Flow meter reading:	10. 188521 3.0	psig gallons gpm
		Yes No	Action Required
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	۵ ۵	
11.	Exposed pipe insulation in acceptable condition?	<b>P</b> 0	
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	11/PG	

Treatment Building	<i>i</i> 1.		
13. Number of spent carbon drums in building.	-5		<b>-</b>
14. Number of virgin carbon drums in building.		<del></del>	 
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	₽.		
16. Building structure (roof, doors, paint) in acceptable condition?			
17. Any leaking pipes, fittings, vaives, equipment?		<u>प</u>	🗆
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			
19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?			🗆.
21. Pressure switches/actuators functional?	4	<sup>-</sup> □.	
22. Automatic dialer/phone line functional?			
Comments Item #		- C	
20 Level not functioning coll places		EP.	<u> </u>
For trouble short, Will near	70 62	- Ta ILA	·
inth Helphund testing equip.			
Additional Facility Information:			
Augitional 1 state of the state			
		<u></u>	
		_	

RE: Tri-City disposal Site, Operation\Maintenance Report (01-00)

Mr. Forney;

On 02-04-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.

<u>11</u>

- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

	nbient Temp. (°F) 32 Weather Conditions: Cloh	શ્			
<u>Co</u> 1. 2. 3.	Three-way valve position (normal or auxiliary):  Pressure gauge reading:  Flow meter reading:	mpl 7 38753 B		psig gallons gpm	COMPLETE PROPERTY OF
	·	Yes	No	Action Required	1
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?			۔ 🗖	1.00 mm 1.00 m
5.	Exposed pipe insulation in acceptable condition?			ا ا	
6.	Significant accumulation of solids in Collection Tank or Spring House?	ŋ/	<u>^</u>		
<u>Un</u> 7. 8. 9.	Liesante Sanke regume.	bl.0 8540		psig gallons gpm	
		Yes	No	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?				
11.	Exposed pipe insulation in acceptable condition?	₫		□.	
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	Ø/			_

والمواقع والمواقع فيروا والمواقع			
Treatment Building	4		[
13. Number of spent carbon drums in building.	0		
14. Number of virgin carbon drums in building.			Action
	Yes	No	Required
15. General housekeeping/debris around Treatment Building is acceptable?			
16. Building structure (roof, doors, paint) in acceptable condition?			
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			
19. Heat tracing and drum heaters in acceptable condition?	<u>u</u> .	···	
20. Level sensors functional?			
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?			
Comments Item #			
Additional Facility Information:			<u> </u>
		<del>.:</del>	
	<del>-</del>	<del></del>	

RE: Tri-City disposal Site, Operation\Maintenance Report (03-00)

Mr. Forney;

On 04-12-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Samples were taken from the spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Tha<u>nk y</u>ou,

	bient Temp. (°F) 55 Weather Conditions: Share			* * * * * * *
Co 1. 2. 3.	Three-way valve position (pormal) or auxiliary):  Pressure gauge reading:  Flow meter reading:	8.5 8.5 827 2381	psig 7] gallons gpm	化物物 非常强烈的对象 医腹腔 电压力
		Yes No	Action Required	
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	<b>U</b>	<b>.</b>	Andrew Bridge
5.	Exposed pipe insulation in acceptable condition?			
6.	Significant accumulation of solids in Collection Tank or Spring House?	78/10		
<u>Un</u> 7. 8. 9.	Three-way valve position (pormal or auxiliary):  Pressure gauge reading:  Flow meter reading:	04mpl 7.0 \$1885	psig gallons gpm	
		Yes No	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?			
11.	Exposed pipe insulation in acceptable condition?	ø 0		
12.	Significant accumulation of solids in Collection Tank or Collection Structure?			

7	· .

Treatment Building	. ]	
13. Number of spent carbon drums in building.	<del> </del>	\
14. Number of virgin carbon drums in building.	<u>-                                    </u>	Action
	Yes No	Required
15. General housekeeping/debris around Treatment Building is		
acceptable?  16. Building structure (roof, doors, paint) in acceptable		□
condition?  17. Any leaking pipes, fittings, valves, equipment?		
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		
19. Heat tracing and drum heaters in acceptable condition?		
20. Level sensors functional?		
Pressure switches/actuators functional?     Automatic dialer/phone line functional?		
Item#  The pred problems  The problems  The pred problems  The problems		
Additional Facility Information:		

RE: Tri-City disposal Site, Operation\Maintenance Report (04-00)

Mr. Forney;

On 04-25-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Date: 2504.25 Time: 2:00 Operator: 5. Hours		
Amount 1921	<del></del>	
Cox Spring  1. Three-way valve position (normal) or auxiliary):  2. Pressure gauge reading:  2. Flow meter reading:	nul 1.0 1828 8.0	psig galions gpm
•	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		<u> </u>
5. Exposed pipe insulation in acceptable condition?		
6. Significant accumulation of solids in Collection Tank or Spring House?	0/10	
Unnamed Spring #1  7. Three-way valve position (normal or suxiliary):	6.09 8.0	psig gallons gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		
11. Exposed pipe insulation in acceptable condition?	五石	
12. Significant accumulation of solids in Collection Tank or Collection Structure?	r)/P) □ □	

Treatment Building		
13. Number of spent carbon drums in building.		
14. Number of virgin carbon drums in building.		<u></u> :
Ye	s No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?		
16. Building structure (roof, doors, paint) in acceptable condition?		
17. Any leaking pipes, fittings, valves, equipment?	ĭ'/ <b>☑</b>	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		
19. Heat tracing and drum heaters in acceptable condition?		
20. Level sensors functional?	Y. , □	<b>□</b> .
21. Pressure switches/actuators functional?		
22. Automatic dialer/phone line functional?		
Comments		
Item #		
	<del></del>	
	<del></del>	
	· <u>-</u>	
Additional Facility Information:		
	. <del></del> -	

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1747

RE: Tri-City disposal Site, Operation\Maintenance Report (05-00)

Mr. Forney;

On 06-01-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken at Klapper Spring.
- Samples were taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

	pient Temp. (°F) 85 Weather Conditions: Sunn		
1. 2.	Processing passage reading:	nol 7 8157 8.0	psig gallons gpm
	•	Yes No	Action Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?		
5.	Exposed pipe insulation in acceptable condition?		
	Significant accumulation of solids in Collection Tank or Spring House?	<b>p</b> )/pp	
7. 8.	Three-way valve position (normal or auxiliary):  Pressure gauge reading:  Flow meter reading:	imuel e Caste 8	psig psilons gpm
		Yes No	Action Required
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		
11.	Exposed pipe insulation in acceptable condition?		
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	19/h	<u> </u>

13. Number of spent carbon drums in building.  14. Number of virgin carbon drums in building.  15. General housekeeping/debris around Treatment Building is acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?  17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialet/phone line functional?  Comments  Item #  Additional Facility Information:			·
Action Yes/No Required  15. General housekeeping/debris around Treatment Building is acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?  17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #	Treatment Building -	۲	l
15. General housekeeping/debris around Treatment Building is acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?  17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #	13. Number of spent carbon drums in building.	)	
15. General housekeeping/debris around Treatment Building is acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?  17. Any leaking pipes, fittings, valves, equipment?  18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?  19. Heat tracing and drum heaters in acceptable condition?  20. Level sensors functional?  21. Pressure switches/actuators functional?  22. Automatic dialer/phone line functional?  Comments  Item #	14. Number of virgin carbon drums in building.	Ves / No	
22. Automatic dialer/phone line functional?  Comments Item #	<ul> <li>acceptable?</li> <li>16. Building structure (roof, doors, paint) in acceptable condition?</li> <li>17. Any leaking pipes, fittings, valves, equipment?</li> <li>18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?</li> <li>19. Heat tracing and drum heaters in acceptable condition?</li> <li>20. Level sensors functional?</li> </ul>		
Item #		8 0	

RE: Tri-City disposal Site, Operation\Maintenance Report (06-00)

Mr. Forney:

On 07-11-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Ambient Temp. (°F) 96 Weather Conditions: PTC	ayiss Icl Hut		
	oumpl 8.0 23 7.0		psig gallons gpm Action Required
<ol> <li>General housekeeping/debris around Collection Tank and Spring House is acceptable?</li> <li>Exposed pipe insulation in acceptable condition?</li> </ol>			
6. Significant accumulation of solids in Collection Tank of Spring House?	or A	MO	
	18860 18860		psig gallons gpm
	<u> Y</u>	es No	Action Required
10. General housekeeping/debris around Collection Tank Collection Structure is acceptable?	and (	<b>3</b> / []	
11. Exposed pipe insulation in acceptable condition?	1 1 oc 2	⊠ // <u>•</u>	
12. Significant accumulation of solids in Collection Tan Collection Structure?		14/1/4	

Treatment Building		l
13. Number of spent carbon drums in building.	<u> </u>	— I
14. Number of virgin carbon drums in building.	<u>′</u>	—
·	Yes/ No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?		<b>□</b> i
16. Building structure (roof, doors, paint) in acceptable condition?		
17. Any leaking pipes, fittings, valves, equipment?		
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		
19. Heat tracing and drum heaters in acceptable condition?		□.
20. Level sensors functional?		□.
21. Pressure switches/actuators functional?		
22. Automatic dialer/phone line functional?		
Item #  Drams me stracting to kest  will need to keptace at le	in Golton	
		<del></del>
Additional Facility Information:		<del></del>
· · · · · · · · · · · · · · · · · · ·		

RE: Tri-City disposal Site, Operation\Maintenance Report (07-00)

Mr. Forney;

On 08-8-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found
- Cox spring system was found down and not operating, all system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was found to be down and not operating, all system checks performed by hand and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.

Charles when the chart

- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Date: 8-8-00 Time: 2: 44 Operator: 5. Ha.  Ambient Temp. (°F) 73 Weather Conditions: Clary	1 Storm	
Cox Spring _  1. Three-way valve position (normal or auxiliary): 77.00  2. Pressure gauge reading:	mpl: 9 238916	psig gailons gpm
	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		□
5. Exposed pipe insulation in acceptable condition?		
6. Significant accumulation of solids in Collection Tank or Spring House?	74/100	
9. Bengara gauge reading:	umpl Le 1749D	psig galions gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		
11. Exposed pipe insulation in acceptable condition?		
12. Significant accumulation of solids in Collection Tank or Collection Structure?	MIDE	□.

Treatment Building		
13. Number of spent carbon drums in building.		<del></del> _
14. Number of virgin carbon drums in building.	)	<u> </u>
	Yes / No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	<b>a</b> : 0	
16. Building structure (roof, doors, paint) in acceptable condition?	四口	. 🗖
17. Any leaking pipes, fittings, valves, equipment?		1 🗀
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		
19. Heat tracing and drum heaters in acceptable condition?		
20. Level sensors functional?		□.
21. Pressure switches/actuators functional?		
22. Automatic dialer/phone line functional?		
Item #  Liapse Spring mit summing  Additional Facility Information:		
System down lad non functional	Gersel F.	<u> </u>
sun by hand operations. Appment in Auc. W. Il contact alectucal es		
As e 35 homes.		

不是 一年月 法备件人

\* 1.3. E

Date: 6/17/00 Time: 1100 Operator: Carl Should Ambient Temp. (°F) 80° Weather Conditions: PC Home	ر الح الح	auth 7	Tach)
Ambient Temp. (°F) 80° Weather Conditions:  Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:  8	<u>.</u>	ps	ig allons
Ye	s N	l _	ction quired
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	<b>(</b> C	<u> </u>	
_	<u> </u>	╛	
6. Significant accumulation of solids in Collection Tank or NA-	]		
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:			_psig _gailons _gpm
<b>y</b>	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	Ø		
Collection Structure is despression of acceptable condition?	赵		□.
	4 🗆 .		Π.

Treatment Building			
13. Number of spent carbon drums in building.	4_		_
14. Number of virgin carbon drums in building.	0		<del>_</del>
·	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	凶		
16. Building structure (roof, doors, paint) in acceptable condition?	凶	<b>.</b> .	
17. Any leaking pipes, fittings, valves, equipment?		X	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	図		
19. Heat tracing and drum heaters in acceptable condition?	凶.		
20. Level sensors functional?	ጃ		□.
21. Pressure switches/actuators functional?	Ø		
22. Automatic dialer/phone line functional?	図		
Item #  Klapper Spring not flowing  Additional Facility Information:  System still down. Will run in "		" pse	sition
but not in automatic position. D&M		ract	<u> </u>
to get electrical contractor to fix prob	slem-	<del></del>	
	<del></del> .		
			<u></u>

RE: Tri-City disposal Site, Operation\Maintenance Report (09-00)

Mr. Forney;

On 09-26-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found
- Cox spring system was found down and not operating, all system checks performed by hand and no deficiencies found. Tank was emptied during maintenance process. Spring is not running.
- Unnamed Spring #1 was found to be down and not operating, all system checks performed by hand and no deficiencies found. Tank was emptied during maintenance process. Spring is not running
- Samples taken from the production discharge ports of Cox Spring.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

#### Carl:

Update on situation at Tri-City Disposal Site #1

- 9-8-00 On site with Chandler Electric to trouble shoot electrical system.
   Informed by EPG to remove and return level meter from Unnamed Spring and the barrier that is located in the electrical panel.
- 9-16-00 On site and replaced repaired meter and barrier from EPG. Noticed irregular level readings on both systems. Replaced transducer in Cox's Spring and inspected Unnamed Spring. This dld not improve the level meter readings. Pumped the holding tanks and cleaned out. Note that the springs are not running.
  - 9-20-00 On site for drum removal and replacement. Noticed incorrect level meter readings and placed a call to EPG to trouble shoot. Asked to return with additional tools and testing equipment.

9-26-00 – On site for routine testing, Unnamed Spring tank empty spring not running, Cox's Spring had enough to take samples but spring not running. Called EPG to trouble shoot level meter readings, followed instructions but situation did not improve. Asked by EPG to return with additional testing materials.

Please call should you have any questions.

Scott

Date: 9-20.00 Time: 0300 Operator. 5. Hay	65	
Ambient Temp. (°F) (e.5 Weather Conditions: 5(207)	<u></u>	<del></del> :
Cox Spring  1. Three-way valve position (normal or auxiliary):  1. Three-way valve position (normal or auxiliary):	19009 8 39009 8.0	psig _gailons _gpm
Spring not kunning)	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		<u> </u>
5. Exposed pipe insulation in acceptable condition?		
6. Significant accumulation of solids in Collection Tank or Spring House?	10/10	
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):	18770	psig galions gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	ቑ □	
11. Exposed pipe insulation in acceptable condition?	6 0	
12. Significant accumulation of solids in Collection Tank or Collection Structure?	27/14	<u> </u>

	· · · · · · · · · · · · · · · · · · ·		-1	<b>i</b> ''
Treatment Building		1		
13. Number of spent carbon drums in building		<del></del>		
<ol> <li>Number of virgin carbon drums in building</li> </ol>	3·	<u> </u>		
	·	Yes No	Action Required	_
15. General housekeeping/debris around Treatr acceptable?	nent Building is	ᡚ′. □		
16. Building structure (roof, doors, paint) in accordition?	ceptable			
17. Any leaking pipes, fittings, valves, equipm	ent?			¥
18. First aid kit, emergency eye wash, fire exting acceptable condition?	nguisher in			1 1 k
19. Heat tracing and drum heaters in acceptable	e condition?			:
20. Level sensors functional?		☑. Д		:
21. Pressure switches/actuators functional?				:
22. Automatic dialer/phone line functional?				
Comments				•
Item #		10.86	- 44	-t-
#7 Unnamed Spung ne	23 00	, TYANCO CA	<del>77 -</del> [	
- Brown work in 9-	25 00		—— I	
30 Level senon remain	9 64+ W	mg much	un t	
cult will be place	I to EPG	·		
	<del>,,</del> ,	<del></del>		
		-·· <del>·</del>		
Additional Facility Information:		<u>-</u>		
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	<u> </u>			
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RE: Tri-City disposal Site, Operation\Maintenance Report (10-00)

Mr. Forney;

On 11-07-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating, all system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was found to be down and not operating, all system checks performed by hand and no deficiencies found. Tank was emptied during maintenance process. Spring is not running.
- Samples taken from the production discharge ports of Cox Spring.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring In good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

			1
Ambient Temp. (°F) 78 Weather Conditions: PHC Y	lbs Sum	<u>ny-</u>	
Cox Spring  1. Three-way valve position formal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:	<i>علا</i> ن.		psig gallons gpm
	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?			
5. Exposed pipe insulation in acceptable condition?			□
6. Significant accumulation of solids in Collection Tank or Spring House?			
Unnamed Spring #1 7. Three-way valve position mormal or auxiliary): 27 or 8. Pressure gauge reading:	mpl O	) 	 psig
9. Flow meter reading:	Δ		gallons gpm
	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	四		
11. Exposed pipe insulation in acceptable condition?	œ		<u> </u>
12. Significant accumulation of solids in Collection Tank or Collection Structure?		<u> </u>	<u> </u>

	1	_	
Treatment Building			
13. Number of spent carbon drums in building.	- 2-	s,	<del>-</del>
14. Number of virgin carbon drums in building.			Action
	Yes	No	Required
15. General housekeeping/debris around Treatment Building is acceptable?			
16. Building structure (roof, doors, paint) in acceptable condition?			
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			□
19. Heat tracing and drum heaters in acceptable condition?		<b>\</b>	
20. Level sensors functional?			
21. Pressure switches/actuators functional?		<u>,</u> □.	
22. Automatic dialer/phone line functional?			
Item #  50 Ran tests recording to EPG  termsdicees on site Are Show	tech.	, <i>1</i> 3/	/
Additional Facility Information:			
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RE: Tri-City disposal Site, Operation/Maintenance Report (11-00)

Mr. Forney;

On 11-25-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating. Replaced transducer according to manufacturer's recommendation and have determined that further electrical problems exists. Have made arrangements to troubleshoot system. All system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was found to be down and not operating. Replaced transducer according to manufacturer's recommendation, system up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- · Samples taken from the production discharge port of Unnamed Spring.
- Samples were taken downstream of the security fence at Klapper Spring.
- Security fence around Klapper Spring in good condition.
- · All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Date: 11-25-00 Time: 0700 Operator: 5-14/24	AS	
Ambient Temp. (°F) 43 Weather Conditions: RAN		
1. Three-way valve position (normal of auxiliary).	empl 7.5 259034 8	_gallons _psig
·	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		ا ـ
5. Exposed pipe insulation in acceptable condition?		□.
6. Significant accumulation of solids in Collection Tank or Spring House?	A/AD	
	rampl 4:5 179794	psig gallons gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		
11. Exposed pipe insulation in acceptable condition?		
12. Significant accumulation of solids in Collection Tank or Collection Structure?	70/40	

<u>0                                    </u>		
3		
		<del></del>
Yes	No	Action Required
<b>u</b>		
	<sub>,</sub> ⊠′	
$\Box$		□. <b>!</b>
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IJ <b>∠</b>	Ĺ □.	
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	or)	Lead to

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RE: Tri-City disposal Site, Operation\Maintenance Report (12-00)

Mr. Forney;

On 01-04-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating. All system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Date: 1-4-6/ Time: 3 70 Operator: 5:14  Ambient Temp. (°F) 35 Weather Conditions: 56.	,		
Cox Spring  1. Three-way valve position formal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:	7.5 239060 8.5	psig gailons gpm	COMPANIES AND
	Yes No	Action Required	
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	<u> </u>		Table and the second
5. Exposed pipe insulation in acceptable condition?	₫ o		
6. Significant accumulation of solids in Collection Tank or Spring House?	M/A		
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):	 nal		
8. Pressure gauge reading:  9. Flow meter reading:	7 88840 8-3-8	psig gallons gpm	
· · · · · · · · · · · · · · · · · · ·	Yes No	Action Required	
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<u>d</u> 0		,
1. Exposed pipe insulation in acceptable condition?	4 0	<u> </u>	
2. Significant accumulation of solids in Collection Tank or Collection Structure?	20/40	<u>.</u> .	

Treatment Building				
13. Number of spent carbon drums in building.				
14. Number of virgin carbon drums in building.				
	Yes	No	Action Required	
15. General housekeeping/debris around Treatment Building is acceptable?	<b>2</b> '			
16. Building structure (roof, doors, paint) in acceptable condition?		□₋		4.
17. Any leaking pipes, fittings, valves, equipment?		<b>D</b>	□.	3, 1
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		<u>□.</u>	□	te summer
19. Heat tracing and drum heaters in acceptable condition?				
20. Level sensors functional?			□.	:
21. Pressure switches/actuators functional?		ृ□.		
22. Automatic dialer/phone line functional?	山			-
Comments	<u>-</u> .			1
Item #				÷
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Additional Facility Information:				
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RE: Trl-City disposal Site, Operation Maintenance Report (01-01)

Mr. Forney:

On 01-25-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- . Treatment building was found in good condition with no serious deficiencies
  - Cox spring system was found down and not operating. All system checks performed by hand and no deficiencies found.
  - Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
  - Samples taken from the production discharge ports of Cox Spring.
  - Samples taken from the production discharge port of Unnamed Spring.
  - Samples were <u>not</u> taken downstream of the security fence at Klapper Spring, spring not running.
  - Security fence around Kiapper Spring in good condition.
  - All samples sent for analysis.
  - Lightning and electrical protection at Treatment building in place and functioning.
  - END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Tha<u>nk</u> you, May

Scott A. Hayes

Cc: Carl Shaw

		f				
Date: [-25-0] Time: 65.60 Operator: 5. [-25] C5						
Ambient Temp. (°F) 40 Weather Conditions: 56nny						
سدر ا						
Co	Cox Spring normal					
1.	Three-way valve position (normal) or auxiliary):	lo	 psig			
2.	Pressure gauge reading:	a35071	gailons			
3.	Flow meter reading:	රි	gbur			
			ی د ا			
l	,	Yes No	Action Required			
			1001			
4.	General housekeeping/debris around Collection Tank and	<del>_</del>	·			
•	Spring House is acceptable?	щ				
		1				
5.	Exposed pipe insulation in acceptable condition?	₫ □	□`			
		5 4.				
6.	Significant accumulation of solids in Collection Tank or	A/100				
	Spring House?		<u> </u>			
<b>,</b> ,,,	named Spring #1					
1 -	Three-way valve position (normal or auxiliary):	rmsl				
7. 8.	Pressure gauge reading:	7.6	psig			
9.	Flow meter reading:	3 <i>63835</i>	_gailons			
<sup>3</sup> .	Lion Hiera reserve.	<u>8.0</u>	_gpm			
			Action			
		Yes No	Required			
	•					
10	General housekeeping/debris around Collection Tank and					
**	Collection Structure is acceptable?	لـا كست				
	- 1 minima in enquision?	/				
11.	Exposed pipe insulation in acceptable condition?		□. ·			
	· · ·	- 110				
12	. Significant accumulation of solids in Collection Tank or	<i>H</i> //b				
11	Collection Structure?	<u> </u>				

Treatment Building	,			
13. Number of spent carbon drums in building.				
14. Number of virgin carbon drums in building.	<del>-</del>			
	Yes	No	Action Required	
15. General housekeeping/debris around Treatment Building is acceptable?	⊡′.			
16. Building structure (roof, doors, paint) in acceptable condition?				- 
17. Any leaking pipes, fittings, valves, equipment?		Image: Control of the		į.
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?				5 to A45
19. Heat tracing and drum heaters in acceptable condition?				
20. Level sensors functional?			□.	
21. Pressure switches/actuators functional?	<u>u</u>	$\square$		
22. Automatic dialer/phone line functional?				
Comments Item #				
Additional Facility Information:				

Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (02-01)

Mr. Forney:

On 03-01-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

ľ	te: 3-1-01 Time: 42:48 Operator: 5=3+1	•				
Αn	Ambient Temp. (°F) 45 Weather Conditions: PTLY Cldy					
<u>Co</u> 1. 2. 3.	Three-way valve position (norma) or auxiliary):  Pressure gauge reading:  Flow meter reading:	mml 7 2487 8.0	(a Z	psig galions gpm		
:		Yes	No	Action Required		
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	ď				
5.	Exposed pipe insulation in acceptable condition?	ď		<u> </u>		
6.	Significant accumulation of solids in Collection Tank or Spring House?	16/	No.			
<b>Un</b> 7. 8. 9.	named Spring #1  Three-way valve position (normal or auxiliary):  Pressure gauge reading:  Flow meter reading:			psig gailons gpm		
	•	Yes	No	Action Required		
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	ď				
11.	Exposed pipe insulation in acceptable condition?			□.		
12.	Significant accumulation of solids in Collection Tank or Collection Structure?		p□			

To a Dellation			-	
Treatment Ruilding	1			
13. Number of spent carbon drums in building.	<del>`</del>			
14. Number of virgin carbon drums in building.	<del></del>		<u> </u>	
	Yes	No	Action Required	_
15. General housekeeping/debris around Treatment Building is acceptable?				
16. Building structure (roof, doors, paint) in acceptable condition?	<b>T</b>	<b>.</b>		:
17. Any leaking pipes, fittings, valves, equipment?				ալ չդ
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?				ac quide i
19. Heat tracing and drum heaters in acceptable condition?			<b></b> .	•
20. Levei sensors functional?			□.	
21. Pressure switches/actuators functional?	₫`	□		;
22. Automatic dialer/phone line functional?	<u> </u>			•
Comments				*
Item #				. <del>.</del>
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Additional Facility Information:				
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Mr. James Forey Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (03-01)

Mr. Forney:

On 04-12-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were <u>not</u> taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Haves Cc: Carl Shaw

Dater 12-01 Time: 0200 Operator: 5-Hon/05  Ambient Temp. (°F) 75 Weather Conditions: Sunny				
1. Imacowaly ratio positions	1965U	psig gallons gpm		
	Yes No	Action Required		
General housekeeping/debris around Collection Tank and     Spring House is acceptable?	<u> </u>	ا ا		
5. Exposed pipe insulation in acceptable condition?	<u> </u>	<u> </u>		
Significant accumulation of solids in Collection Tank or Spring House?				
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:    Normal or auxiliary				
	Yes No	Action Required		
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?				
11. Exposed pipe insulation in acceptable condition?				
12. Significant accumulation of solids in Collection Tank or Collection Structure?	n) po	<b>.</b>		

Treatment Building			ļ
13. Number of spent carbon drums in building.			
14. Number of virgin carbon drums in building.			
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?			□∴
16. Building structure (roof, doors, paint) in acceptable condition?		□	
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	₫′		
19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?	<b>Ø</b> .		
21. Pressure switches/actuators functional?			
22. Automatic dialer/phone line functional?	<u> </u>		
Comments Item #			
Additional Facility Information:			
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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (04-01)

Mr. Forney;

On 05-07-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were <u>not</u> taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- . End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Cc: Carl Shaw

Date: 5-7-01 Time: 02:N Operator: S. Hayes  Ambient Temp. (°F) 80° Weather Conditions: P+LyCldy 80°					
Co: 1. 2. 3.	Three-way valve position (normal or auxiliary):  Pressure gauge reading:		0.1	psig gallons gpm	のない。大学をおけて大学 (でいかい)
	·	Yes	No	Action Required	
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	回	<b>□</b> `	<u> </u>	A 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5.	Exposed pipe insulation in acceptable condition?	♂			
б.	Significant accumulation of solids in Collection Tank or Spring House?	AN	2 <u>1</u>		
Un 7. 8. 9.	Three-way valve position formal or auxiliary):  Pressure gauge reading:  Flow meter reading:	nnl 0 30 (e		 _psig gallons _gpm	
	•	Yes	No	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	ď			
11.	Exposed pipe insulation in acceptable condition?	Ø.			
12.	Significant accumulation of solids in Collection Tank or /	M		<b>.</b>	

Treatment Building				į
13. Number of spent carbon drums in building.				
14. Number of virgin carbon drums in building.		1	Action	
	Yes	No	Required	_
15. General housekeeping/debris around Treatment Building is	प्र			
acceptable?  16. Building structure (roof, doors, paint) in acceptable	œ (	□		٠
condition?  17. Any leaking pipes, fittings, valves, equipment?				4 44 4
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	<b>Y</b>	<b>.</b> 		11 also 8.
19. Hear tracing and drum heaters in acceptable condition?				•
20. Level sensors functional? 21. Pressure switches/actuators functional?				
21. Pressure switches actually 22. Automatic dialer/phone line functional?	<u>u</u>	П.		<u> </u> -
Comments Item #		· 		
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Additional Facility Information:				
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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (05-01)

Mr. Forney;

On 05-29-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- . End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Cc: Carl Shaw



Date: 5-29-01 Time: 400 Operator: 5-1400  Ambient Temp. (°F) 80 Weather Conditions: 500000	y			
Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:	1 mmal 8 242820 8	psig gallons gpm -		
	Yes No	Action Required		
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		٠		
5. Exposed pipe insulation in acceptable condition?		<u> </u>		
Significant accumulation of solids in Collection Tank or Spring House?	14/1/40			
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. Flow meter reading:  9. Spring #1  1 Sold #1  1 Sold #1  2 psig #1  1 Sold #1  2 psig #1  2 psig #1  3 psig #1  4 psig #1  5 psig #1  5 psig #1  6 psig #1  7 psig #1  7 psig #1  7 psig #1  7 psig #1  8 psig #1  9 psig #1  9 psig #1				
	Yes No	Action Required		
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?				
11. Exposed pipe insulation in acceptable condition?	6 0			
12. Significant accumulation of solids in Collection Tank or Collection Structure?	200			

Treatment Building	1			
13. Number of spent carbon drums in building.	2			
14. Number of virgin carbon drums in building.			Action	
	Yes	No	Required	_
15. General housekeeping/debris around Treatment Building is				
acceptable?  16. Building structure (roof, doors, paint) in acceptable condition?		□		<u>.</u>
· 17. Any leaking pipes, fittings, valves, equipment?				H SH W
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	<u> </u>	 		- 1 - 1 - 2 - 1
19. Heat tracing and drum heaters in acceptable condition?		, <del>L</del>	<b>–</b>	
20. Level sensors functional?	<b>2</b> .	_□. 		
21. Pressure switches/actuators functional?	<u>u</u>			
22. Automatic dialer/phone line functional?		П.		<b>∦</b> .
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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, MI. 48075

RE: Tri-City disposal Site, Operation Maintenance Report (06-61 PLS)

Mr. Forney;

On 06-27-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Samples were not taken from Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Haves Cc: Carl Shaw

Date: (057-01 Time: 03:00 Operator: 5, Hays					
Ат	bient Temp. (°F) 85 Weather Conditions: PTLY	طامل کی۔	+-		
Co. 1. 2. 3.	Three-way valve position (normal or auxiliary):  Pressure gauge reading:  Flow meter reading:	mol 8 e4043 8.0		psig gallons gpm	
		Yes	No	Action Required	
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?				
5.	Exposed pipe insulation in acceptable condition?			□.	
6.	Significant accumulation of solids in Collection Tank or Spring House?	All	<u>^</u>		
7.	Pressure gauge reading:	mol e 5419 8.0		psig psilons gallons	
		Yes	No	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?				
11.	Exposed pipe insulation in acceptable condition?	<u> </u>			
12	Significant accumulation of solids in Collection Tank or Collection Structure?	P	ho		

Treatment Building			į	
13. Number of spent carbon drums in building.				
14. Number of virgin carbon drums in building.				
	Yes	No	Action ' Required	_
15. General housekeeping/debris around Treatment Building is acceptable?			□ <u>.</u>	
16. Building structure (roof, doors, paint) in acceptable condition?		□		
17. Any leaking pipes, fittings, valves, equipment?			🗆	Ι.
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?				there is the
19. Heat tracing and drum heaters in acceptable condition?				•
20. Level sensors functional?			□.	:
21. Pressure switches/actuators functional?		□.		
22. Automatic dialer/phone line functional?				-
Item #  Additional Facility Information:				
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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Mr. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (07-01)

#### Mr. Forney:

On 08-01-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

Received

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Samples were not taken from Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw

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	Date: 8-1-01 Time: 1200 Operator: 5. Hoys:  Ambient Temp. (°F) 50 Weather Conditions: 54nny					
Co 1. 2. 3.	Three-way valve position (normal or suxiliary):  Pressure gauge reading:  Flow meter reading:	1 2104901	psig gallons gpm			
		Yes No	Action Required			
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?					
5.	Exposed pipe insulation in acceptable condition?					
6.	Significant accumulation of solids in Collection Tank or Spring House?	MAG				
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. Flow meter reading:  9. gallons  19.5 gpm						
		Yes No	Action Required			
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?					
11.	Exposed pipe insulation in acceptable condition?	<u> </u>				
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	\$1/kg				

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Treatment Building			
13. Number of spent carbon drums in building.	<del>- 2</del>	<del></del>	
14. Number of virgin carbon drums in building.			ļ
	Yes No	Action Required	_
15. General housekeeping/debris around Treatment Building is acceptable?			
16. Building structure (roof, doors, paint) in acceptable condition?	<b>e</b> : c		: :
-17. Any leaking pipes, fittings, valves, equipment?		វ 📗 🗀 📗	; ;
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	<u> </u>	].:	Politic all effects
19. Heat tracing and drum heaters in acceptable condition?	od C	] 🗆 🖠	-
20. Level sensors functional?		II. a.	÷
21. Pressure switches/actuators functional?	` d⁄ / c	1   🗆	:
22. Automatic dialer/phone line functional?	<u>t</u> c	I. 🗆	-
Comments Item #			
Additional Facility Information:			

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ان. ممينه Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Mł. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (08-01)

Mr. Forney;

On 09-05-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- · Samples were taken from Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Høyes Cc: Carl Shaw



_	e: 7-5-01 Time: 1100 Operator: 500H14				
	•	alen -			
Am	bient Temp. (°F) 8 Weather Conditions: 34 n n	<del></del>			
Co. 1. 2.	Spring  Three-way valve position (normal) or auxiliary):  Pressure gauge reading:  Flow meter reading:	8		psig gallons	
7"		<u>8.5</u>		_gpm Action	
	·	Yes	No	Required	
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	<u> 12</u>	, ,	۵.	
5.	Exposed pipe insulation in acceptable condition?	ď			
6.	Significant accumulation of solids in Collection Tank or Spring House?	All	<b>२</b> □		
Unnamed Spring #1  7. Three-way valve position (normal) or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  7.5 gpm					
		Yes	No	Action Required	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	ď		. 🗆	
11	Exposed pipe insulation in acceptable condition?	4	□	□.	
12	Significant accumulation of solids in Collection Tank or Collection Structure?	A	A□	<b>.</b>	

Treatment Building						
13. Number of spent carbon drums in building.						
14. Number of virgin carbon drums in building.	·		<u> </u>			
14, [4thibber of 72822 42222	Yes	No_	Action Required			
15. General housekeeping/debris around Treatment Building is acceptable?	过:					
16. Building structure (roof, doors, paint) in acceptable condition?				2		
-17. Any leaking pipes, fittings, valves, equipment?						
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	ر ا			e a de		
19. Heat tracing and drum heaters in acceptable condition?	ॼ_					
20. Level sensors functional?			<del>-</del> `			
21. Pressure switches/actuators functional?		□.	<u> </u>			
22. Automatic dialer/phone line functional?	Ø					
Comments Item #						
Additional Facility Information:						
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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (09-01)

Mr. Fomey;

On 09-27-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port and pre-process port of Cox Spring.
- Samples taken from the production discharge port and pre-process port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring. spring not running.
- Samples were not taken from Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

Date: 7-27-01 Time: / 3" Operator: 5. Hon	165	
1. Three-way valve position known of	000msl 8.0 44378	_psig _galions _gpm
	Yes No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	d o	اً ۔
5. Exposed pipe insulation in acceptable condition?	4	
6. Significant accumulation of solids in Collection Tank or Spring House?	Malon	
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:	198570 7.5 7.5	psig psilons gpm
	Yes No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		
11. Exposed pipe insulation in acceptable condition?	<u> </u>	
12. Significant accumulation of solids in Collection Tank or Collection Structure?	Pa/A	

Treatment Building	/		•
13. Number of spent carbon drums in building.			
14. Number of virgin carbon drums in building.	2	-	
	Yes / No	Action Required	
15. General housekeeping/debris around Treatment Building is acceptable?	<b>d</b> : 0		_
16. Building structure (roof, doors, paint) in acceptable condition?			
-17. Any leaking pipes, fittings, valves, equipment?	<u> </u>		ي رف
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			有 公金縣
19. Heat tracing and drum heaters in acceptable condition?	<b>1</b> . <b>1</b>		•
20. Level sensors functional?		□.	:
21. Pressure switches/actuators functional?			:
22. Automatic dialer/phone line functional?	<u> </u>		-
Comments		1	-
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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (10-01)

Mr. Forney;

On 10-30-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

	bient Temp. (°F) 40 Weather Conditions: Stany	<u>.</u>		
1. 2. 3.	Three-way valve position formal or auxiliary):  Pressure gauge reading:  Flow meter reading:	2m18 27818	l .	psig gallons gpm
		Yes	No	Action Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	<b>a</b>	, <u> </u>	□.
5.	Exposed pipe insulation in acceptable condition?	Œ		<u> </u>
6.	Significant accumulation of solids in Collection Tank or Spring House?	刮	<b>1</b> 20	
<b>Un</b> 7. 8. 9.	Three-way valve position (norms) or auxiliary):  Pressure gauge reading:  Flow meter reading:	<u> </u>		psig gailons gpm
		Yes	No	Action Required
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?			
11.	Exposed pipe insulation in acceptable condition?	Ø		<b>□</b> .
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	<del>7</del> ()	<b>/</b> /	<b>.</b>

Treatment Building 13. Number of spent earbon drums in building. 14. Number of virgin carbon drums in building. Action 1 Required Yes / No 15. General housekeeping/debris around Treatment Building is acceptable? 16. Building structure (roof, doors, paint) in acceptable condition? 17. Any leaking pipes, fittings, valves, equipment? ঘ 18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition? 19. Heat tracing and drum heaters in acceptable condition? 20. Level sensors functional? 21. Pressure switches/actuators functional? 22. Automatic dialer/phone line functional? Comments Item# Additional Facility Information:

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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075



RE: Tri-City disposal Site, Operation\Maintenance Report (11-01)

Mr. Forney;

On 11-28-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Háyes Cc: Carl Shaw

Date://-28-0/ Time: 400 Operator: 5 Hogy 52  Ambient Temp. (°F) 50 Weather Conditions: cku cky					
Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Pressure gauge reading:  3. Flow meter reading:	pl 8 1772	psig gallons gpm			
·	Yes No	Action Required			
General housekeeping/debris around Collection Tank and Spring House is acceptable?		<u>.</u>			
5. Exposed pipe insulation in acceptable condition?					
Significant accumulation of solids in Collection Tank or Spring House?	10/1 <del>a</del>				
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. Flow meter reading:  9. Spring Flows #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. Spring Flows #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  9. Spring Flows #1					
	Yes No	Action Required			
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?					
11. Exposed pipe insulation in acceptable condition?		<u> </u>			
12. Significant accumulation of solids in Collection Tank or Collection Structure?	1/les	<u>.</u>			

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Treatment Building			
13. Number of spent carbon drums in building.	<del> </del>		<del></del> ,
14. Number of virgin carbon drums in building.			
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?			<b>□</b>
16. Building structure (roof, doors, paint) in acceptable condition?		′□.	
-17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	<b>\_</b> '		
19. Heat tracing and drum heaters in acceptable condition?			
20. Level sensors functional?	سب	✓ 🗖.	<b>□</b> . ;
21. Pressure switches/actuators functional?		<b>1</b> □.,	
22. Automatic dialer/phone line functional?			
Comments Item #			
Additional Facility Information:			
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Mr. James Forney Waste Management Inc. 19200 W. 8 Mile Rd. Southfield, Ml. 48075

RE: Tri-City disposal Site, Operation/Maintenance Report (12-01)

Mr. Forney,

On 01-04-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies
   found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

	والمناف والمنا						
Date: 1-4-01 Time: 3 0 Operator: 5. Horks  Ambient Temp. (°F) 35 Weather Conditions: 54444 Cold							
1.	Spring Three-way valve position (normal or auxiliary): Pressure gauge reading: Flow meter reading:	10 2876 70		<i>!</i>	psig gailons gpm		
		_	Yes	No	Action Required		
4.	General housekeeping/debris around Collection Tank an Spring House is acceptable?	ıd	<u> </u>				
5.	Exposed pipe insulation in acceptable condition?				<u> </u>		
6.	Significant accumulation of solids in Collection Tank of Spring House?	r	<b>/</b> a/i	<b>1</b> 0			
<u>Un</u> 7. 8. 9.	Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):  8. Pressure gauge reading:  210708 gallons						
			Yes	No	Action Required		
10.	General housekeeping/debris around Collection Tank an Collection Structure is acceptable?	nd	4				
11.	Exposed pipe insulation in acceptable condition?		6		□.		
12.	Significant accumulation of solids in Collection Tank of Collection Structure?	r	H/	le de la constant de			

	atment Building	1			:	
13.	Number of spent carbon drums in building.			- <del>-</del>	<del>-</del>	
14.	Number of virgin carbon drums in building.	_لي			Action	
	•	_	Yes	No	Required	
15.	General housekeeping/debris around Treatment Building acceptable?	is	<b>3</b> .			
	Building structure (roof, doors, paint) in acceptable condition?					
17.	Any leaking pipes, fittings, valves, equipment?					
	First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		ď		_	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
19.	Heat tracing and drum heaters in acceptable condition?				□.	
	Level sensors functional?			□.	□.	:
21.	Pressure switches/actuators functional?			$\Box$		
22.	Automatic dialer/phone line functional?			Π.		] -
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Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av, Ste A Okemos, Ml. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (01-02)

Mr. Forney;

On 01-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Gox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Samples were taken from Klapper Spring.
- Security fence around Kiapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

			l l
Date: 1-31-02 Time: 300 Operator: 5:1-1/2	45		_ <del>`</del>
Ambient Temp. (°F) 65 Weather Conditions: Claude	g/en	<u> </u>	
Cox Spring	o		
1. Three-way valve position (normalor auxiliary):	mar.	<del></del>	
2. Pressure gauge reading:	15314		psig gallons
3. Flow meter reading:	7.0		gpm -
	Yes	No	Action Required
			<del>_</del>
4. General housekeeping/debris around Collection Tank and	<u> </u>	· 🗆	
Spring House is acceptable?			
5. Exposed pipe insulation in acceptable condition?	III-		□.
• • •	<del></del> .	_	_
Significant accumulation of solids in Collection Tank or Spring House?	KZ//	90	
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):	mpl		
7. Inree-way valve position violates of business of	3/	٥	psig
8. Pressure gauge reading:  9. Flow meter reading:	907		gallons
9, 110W III COL. 10	<u>ष्ट्र. ८</u>		<u>gpm</u>
			Action
	Yes	No	Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?			
11. Exposed pipe insulation in acceptable condition?			
12. Significant accumulation of solids in Collection Tank or Collection Structure?			<b>□</b> .

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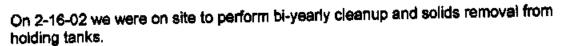
Tre	atment Building			į	
	Number of spent carbon drums in building.			<del></del>	1
14.	Number of virgin carbon drums in building.		<u> </u>		
		Yes	No	Action Required	_
15.	General housekeeping/debris around Treatment Building is acceptable?	<u> </u>			
16.	Building structure (roof, doors, paint) in acceptable condition?	Ø			÷
<b>-17</b> .	Any leaking pipes, fittings, valves, equipment?		Œ		
18.	First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			□	* <del>k</del>
19.	Heat tracing and drum heaters in acceptable condition?				
20.	Level sensors functional?		<u> </u>	□.	
21.	Pressure switches/actuators functional?	<b>⋴</b>	$\Box$		
22.	Automatic dialer/phone line functional?	<u> </u>			-
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Carl Shaw EarthTech 3033 Campus Dr. Minneapolls, MN. 55441

Re: Bi-Yearly clean up.

Carl;



 Cox Spring – no appreciable amount of solids in tank, cleaned off tank pad and surrounding area.

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UnNamed Spring – small amount of solids in tank, cleaned and flushed.
Rust is developing at the bottom of holding tank extending approximately
6" up. Rust was scraped off and a diverter placed below overflow outlet to
reduce the chances of additional moisture coming in contact with this
area. Recommend a coating to prevent further damage to tank. Cleaned
off tank pad. Removed debris, rock, dirt and mud from pea gravel check
dam also cleaned filter fabric covering check dam. Check dam had
approximately 18" of eroded material covering 75% of check dam.

Filter House – cleaned and removed debris and trash from area.
 Changed out leaking drums. Both Cox Spring and UnNamed Spring drums had bottoms rusted out and leaking. One drum on Cox Spring has rust holes developing around effluent bung. Recommend the use of plastic drums if available. Used all virgin drums to change out damaged drums. No virgin drums on site, three used drums. We will need at least two additional drums due to high pressures on Cox Spring. Elevated all active drums to reduce any further damage to drums.

End

If you have any questions concerning this or any other monthly report please contact me at your convenience.

Thank you,

Scott Hayes

Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av, Ste A Okemos, Mi. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (02-02)

Mr. Forney;

On 02-28-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayesi

Cc: Carl Shaw

Date: 128-63 Time: 3.00 Operator: 50 Al Hayes					
Ambient Temp. (°F) 35 Weather Conditions: Sanny deld					
Co1 1. 2. 3.	Spring  Three-way valve position (normal) or auxiliary): Pressure gauge reading: Flow meter reading:	·	nm 19.5 0345 7		psig galions gpm
			Ye	s No	Action Required
4.	General housekeeping/debris around Collection To Spring House is acceptable?	ink and	Ø		<u> </u>
5.	Exposed pipe insulation in acceptable condition?			<u> </u>	
6.	Significant accumulation of solids in Collection T Spring House?	ank or	A	/40.	
<u>Uni</u> 7. 8. 9.	Three-way valve position (normal or auxiliary): Pressure gauge reading: Flow meter reading:	0n 	20011		psig gallons gpm
			Ye	s No	Action Required
10.	General housekeeping/debris around Collection Te Collection Structure is acceptable?	ank and	Œ		i D
11.	Exposed pipe insulation in acceptable condition?	F.	<u> </u>		
12.	Significant accumulation of solids in Collection T Collection Structure?	ank or			

Treatment Building		
13. Number of spent carbon drums in building.	<u> 3                                    </u>	
14. Number of virgin carbon drums in building.	<u> </u>	
	Yes No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?		
16. Building structure (roof, doors, paint) in acceptable condition?		_
·17. Any leaking pipes, fittings, vaives, equipment?	o d	<b>1</b> 🗆 .
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		
19. Heat tracing and drum heaters in acceptable condition?	☑. , □	□. ;
20. Level sensors functional?	व 🗆	
21. Pressure switches/actuators functional?		
22. Automatic dialer/phone line functionai?	e a	
Item #  - De Sik 2-16-02 c/Grans/mol  - c/Grans/ bank proc/  - 12 See report  - 14 k/v skums for septement  - Conspring may need addition  - due to high pressures.  Additional Facility Information:	on cham	tranks

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A STATE OF THE PARTY OF THE PAR

Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av. A Okemos, Ml. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (03-02)

Mr. Forney;

On 03-25-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- Changed out spent drums, received new drums from North American Aqua.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

M) -

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Date: 3-25-02 Time: (1:6) Operator: 5. Hogys						
Ambient Temp. (°F) SO Weather Conditions: Sahus						
Cox Spring  1. Three-way valve position forms or suxiliary):  2. Pressure gauge reading:  3/2527 gallons  gpm						
		Yes	No	Action Required		
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	Œ		· 🗆 -		
5.	Exposed pipe insulation in acceptable condition?	ď				
6.	Significant accumulation of solids in Collection Tank or Spring House?	<b>8</b>	/ <del>P</del> 23			
Unnamed Spring #1  7. Three-way valve position (normal or suxiliary):  8. Pressure gauge reading:  9. Flow meter reading:  gallons  gpm						
		Yes	No	Action Required		
10	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<u>d</u>		۵		
11	. Exposed pipe insulation in acceptable condition?	4				
12	. Significant accumulation of solids in Collection Tank or Collection Structure?	$\theta$	HO:			

		<u></u>	<del></del>
Treatment Building  13. Number of spent carbon drums in building.  14. Number of virgin carbon drums in building.	<u> </u>		
14. Number of virgin caroon drame at our b.	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	VZ.		
16. Building structure (roof, doors, paint) in acceptable condition?	U.		
17. Any leaking pipes, fittings, valves, equipment?		. <b>⊡</b> `	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	M		
·19. Heat tracing and drum heaters in acceptable condition?			
<ul><li>20. Level sensors functional?</li><li>21. Pressure switches/actuators functional?</li></ul>		´ □	
21. Pressure switches/actuables retrotted:  22. Automatic dialer/phone line functional?			
13,14 North American Agree mais 4 spent drums received Placed I new drum in la	6 m	enge Ce	sums.
Additional Facility Information:			
	_ <del></del>		

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Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av. A Okemos, Ml. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (04-02)

#### Mr. Fomey;

On 04-30-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Kiapper Spring, spring running.
- Samples were taken from the spring at Klapper Spring for quarterly sampling.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Haves Cc: Carl Shaw

	13.12 230 5.14					
Date: 4-30-22 Time: 230 Operator: 5./-1/3/1/8						
Ambient Temp. (°F) 70 Weather Conditions: Sciency						
Coz	Spring_	a				
1.	- ( San amiliary):	mone		<del></del> -		
2.	Pressure gauge reading:	le 30482		_psig _gallons		
3.	Flow meter reading:	ੈ ਲ		gbm		
			ı	<b>.</b>		
	•	Yes	No	Action Required		
				,		
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	豆		□₋		
5.	Exposed pipe insulation in acceptable condition?			□.		
6.	Significant accumulation of solids in Collection Tank or Spring House?	13/		□		
-						
Un	named Spring #1	nusl				
7.	Imco-way valo pro	رو		psig		
8.	Pressure gauge reading:	3540		gailons		
9.	Flow itherer resume.	<u>د، حم</u>		abor		
				Action		
		Yes	No	Required		
	to the second Collection Tank and	4000	<b>200</b>	,		
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	1/1		LJ  -		
11.	Exposed pipe insulation in acceptable condition?		- 🗆	□.		
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	13/	Aer	□		

Treatment Building			
13. Number of spent carbon drums in building.	<del></del> _		
14. Number of virgin carbon drums in building.	<del>2</del>		
	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	نے ⊑		□
16. Building structure (roof, doors, paint) in acceptable condition?		□	
17. Any leaking pipes, fittings, valves, equipment?			□.
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?			□
19. Heat tracing and drum heaters in acceptable condition?	9		
20. Level sensors functional?	₩.		□.
21. Pressure switches/actuators functional?			□.
22. Automatic dialer/phone line functional?	<u> </u>		
Comments Item #			
Additional Facility Information:			

Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av. A Okemos, Ml. 48864

RE: Tri-City disposal Site, Operation Maintenance Report (05-02)

Mr. Forney;

On 05-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was not running. Problem with float switch, call placed to electrical support. Will set up time to trouble shoot.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

2.27

Date	5-31-02 Time: 3:00 Operator: 5. Hos	185		
Ambient Temp. (°F) 85 Weather Conditions: 560ny				
- Pittl		<u> </u>		
	Sada			
<u> </u>	Three-way valve position (norma) or auxiliary):	nol.	<del></del>	<u> </u>
1. 2.	Pressure gauge reading:	0	<u> </u>	_psig
	Flow meter reading:	75		gailons _gpm -
ا آ		<u> </u>		
		<b>V.</b> -	Ne.	Action Required
	•	Yes	No	verimise
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	₫		
5.	Exposed pipe insulation in acceptable condition?			
6.	Significant accumulation of solids in Collection Tank or Spring House?	4	MD.	
<b>_</b>		,		
Un	named Spring #1	sl		
7.	Three-way valve postucing morning of administration	·—·		psig
8. 9.	Pressure gauge reading:  Flow meter reading:	3723		gallons
, ,		<u> </u>		gpm:
1				Action
		Yes	No	Required
			_	
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?			
11.	Exposed pipe insulation in acceptable condition?		<u>-</u> _	□.
12.	Significant accumulation of solids in Collection Tank or Collection Structure?	<b>B</b> /		

大学の教育を教育を主要を表現のある。これでは、これのできないないない。

Treatment Building \_ 13. Number of spent earbon drums in building. Number of virgin carbon drums in building. Action Required No 15. General housekeeping/debris around Treatment Building is acceptable? 16. Building structure (roof, doors, paint) in acceptable condition? 17. Any leaking pipes, fittings, valves, equipment? 18. First aid kit, emergency eye wash, fire extinguisher in П acceptable condition? 19. Heat tracing and drum heaters in acceptable condition? IZ. 20. Level sensors functional? 21. Pressure switches/actuators functional? 22. Automatic dialer/phone line functional? Comments Item # C.S. Float switch not apparating لتهى Additional Facility Information:

Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av. A Okemos, Mi. 48864



RE: Tri-City disposal Site, Operation/Maintenance Report (06-02)

Mr. Forney;

On 06-27-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Cc: Carl Shaw

				'	
Date: 62702 Time: 3-10 Operator: 5-thanks					
Ambient Temp. (°F) 85 Weather Conditions: PHy Cloly					
Cox Spring  1. Three-way valve position (normal) or auxiliary):  2. Pressure gauge reading:  334  3. Flow meter reading:	7.0		_psig _gailons _gpm	公田門の日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本	
	Yes	No_	Action Required		
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	Œ/	<u> </u>	. 🗖	Junear St. Sept.	
5. Exposed pipe insulation in acceptable condition?	<b>U</b>				
6. Significant accumulation of solids in Collection Tank or Spring House?	12/1	<u>4</u>			
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):	16l 2.0 4976 3.0		psig galions gpm		
	Yes_	No	Action Required		
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	1				
11. Exposed pipe insulation in acceptable condition?	回		<u> </u>		
12. Significant accumulation of solids in Collection Tank or Collection Structure?	R/	A	<u> </u>		

Treatment Building	$   \sim   $	İ
13. Number of spent carbon drums in building.	<del>y</del>	<del></del> :
14. Number of virgin carbon drums in building.	<u></u>	Action
	Yes No	Required
15. General housekeeping/debris around Treatment Building is acceptable?		
16. Building structure (roof, doors, paint) in acceptable condition?		
17. Any leaking pipes, fittings, valves, equipment?		
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		
19. Heat tracing and drum heaters in acceptable condition?		
20. Levei sensors functional?		
21. Pressure switches/actuators functional?		
22. Automatic dialer/phone line functional?		
Comments Item #  Additional Facility Information:		
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A.

Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av. A Okemos, Mt. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (07-02)

Mr..Fomey;

On 07-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

Date: 7-31-82 Time: 4:00 Operator: 5-Hay	125	, .	·
Ambient Temp. (°F) 95 Weather Conditions: 56.000	<u> </u>	4	
Cox Spring  1. Three-way valve position (normal or auxiliary):  2. Property and in the control of the control o	0		_psig _gallons _gpm
	Yes	No	Action Required
General housekeeping/debris around Collection Tank and     Spring House is acceptable?	<u> </u>		
5. Exposed pipe insulation in acceptable condition?			□.
6. Significant accumulation of solids in Collection Tank or Spring House?	Ø,	40	
Unnamed Spring #1  7. Three-way valve position (normal or auxiliary):	nnl	:-	psig
8. Pressure gauge reading: 9. Flow meter reading:	(e04)	<u> </u>	gailons gailons
	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	Ц		
11. Exposed pipe insulation in acceptable condition?			_ <b>_</b>
12. Significant accumulation of solids in Collection Tank or Collection Structure?	12/		

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Treatment Building	Λ		
13. Number of spent carbon drums in building.	<del>-</del>		
14. Number of virgin carbon drums in building.	<u>3</u>		
· '	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?			
16. Building structure (roof, doors, paint) in acceptable condition?			
17. Any leaking pipes, fittings, valves, equipment?			□.
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	Ø	□.	□
19. Heat tracing and drum heaters in acceptable condition?			
20. Levei sensors functional?			
21. Pressure switches/actuators functional?	凼	┚	
22. Automatic dialer/phone line functional?	Ø		
Comments Item #			
Additional Facility Information;			
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Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av, A Okemos, Ml. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (08-02)

Mr. Forney;

On 08-29-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Cc: Carl Shaw

				1
Date	8-29-02 Time: 3.00 Operator: 5.1dx	r		<del></del>
Ami	nient Temp. (°F) 85 Weather Conditions: SUM	<del>~{</del>		
1. 2.	Spring Three-way valve position (normal or auxiliary): Pressure gauge reading: Flow meter reading:	mnl 7 37521	<u>.</u>	gallons gallons
		Yes	No_	Action Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	Œ		۔ 🗆
5.	Exposed pipe insulation in acceptable condition?	4	□.	
6.	Significant accumulation of solids in Collection Tank or Spring House?	A)	<b>A</b>	
Un 7. 8. 9.	Three-way vaive position (normal or auxiliary):	mal (e.0 3(e44 8.0		psig psilons gpm
		Yes	No	Action Required
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	<b>e</b>	□	□
11	Exposed pipe insulation in acceptable condition?		<b>∠</b> □	
12	Significant accumulation of solids in Collection Tank or Collection Structure?		4	

Treatment Building	Δ		
13. Number of spent carbon drums in building.	<u>~</u>		<u> </u>
14. Number of virgin carbon drums in building.	<u></u>		Action
	Yes	No	Required
15. General housekeeping/debris around Treatment Building is acceptable?	12		□∷
16. Building structure (roof, doors, paint) in acceptable condition?			
17. Any leaking pipes, fittings, valves, equipment?			
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	Ø		
19. Heat tracing and drum heaters in acceptable condition?		, <del>–</del>	
20. Level sensors functional?		, <b>I</b>	
21. Pressure switches/actuators functional?	d´		□
22. Automatic dialer/phone line functional?			
Item #			
Additional Facility Information:			
		,	

Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av. A Okemos, Mi. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (09-02)

Mr. Forney;

On 09-30-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring spring running.
- Samles taken from Unnamed Spring #1.
- Security fence around Klapper Spring has been damaged by a fallen tree.
   Fence is still functional with minor damage to a top support rail. Please advise.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw

Dat	e: 9-30:02 Time: 3:00 Operator: S. Hay	as Odi		
Am	bient Temp. (°F) 0-1			
Co1 1. 2. 3.	Three-way valve position (normal or auxiliary):  Pressure gauge reading:  Flow meter reading:	9105.	<u> </u>	psig gallons gpm
	•	Yes	No	Action Required
4.	General housekeeping/debris around Collection Tank and Spring House is acceptable?	Œ		<u>.</u>
5.	Exposed pipe insulation in acceptable condition?		<u> </u>	
6.	Significant accumulation of solids in Collection Tank or Spring House?	17)	<b>VE</b>	
Un 7. 8. 9.	named Spring #1  Three-way valve position (normal or auxiliary):  Pressure gauge reading:  Flow meter reading:	ma 7.0 39/=	9	psig gallons gpm
		Yes	No	Action Required
10.	General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	q		
11.	Exposed pipe insulation in acceptable condition?			
12	Significant accumulation of solids in Collection Tank or Collection Structure?	召/	<b>1</b>	

Treatment Building	O			
13. Number of spent carbon drums in building.	<del></del>	<u></u>		
14. Number of virgin carbon drums in building.	Yes	No	Action Required	
15. General housekeeping/debris around Treatment Building acceptable?	is 🗹			_
16. Building structure (roof, doors, paint) in acceptable condition?	₫:			
17. Any leaking pipes, fittings, valves, equipment?				
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	□ _⁄	<u></u> 	_	1 kg/4
19. Heat tracing and drum heaters in acceptable condition?	. IA.	, LL		
20. Level sensors functional? 21. Pressure switches/actuators functional?	<u> </u>			
22. Automatic dialer/phone line functional?	☑			-
Comments Item #				
Additional Facility Information:				
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Mr. James Forney Waste Management Inc. Heritage Office Park West 3970 Heritage Av. A Okemos, Ml. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (10-02)

Mr. Fomey;

On 10-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes Cc: Carl Shaw

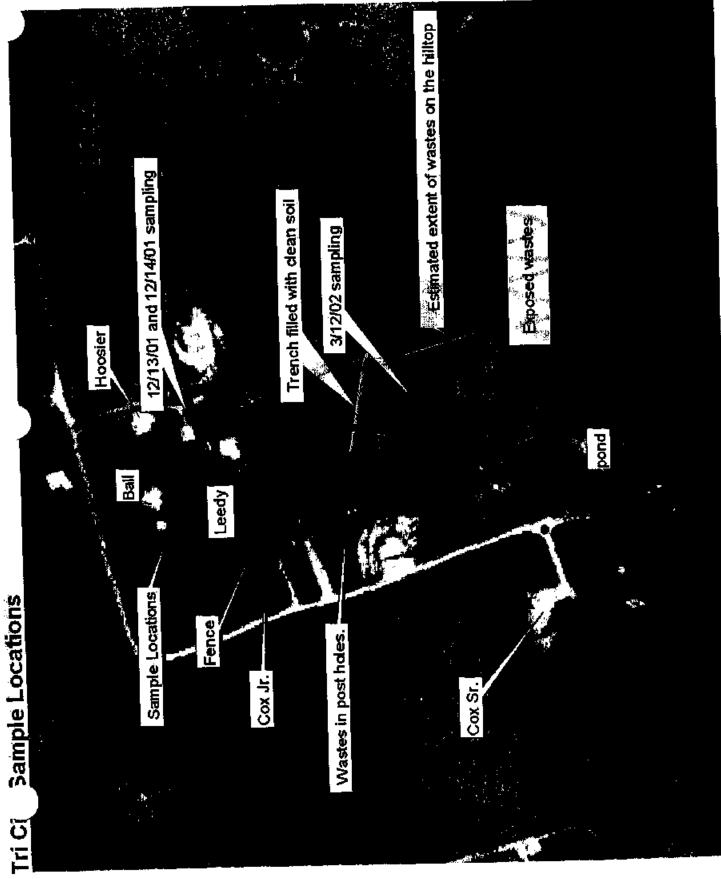
Date/0:31-02 Time/2:00 Operator: 5. Hay	125		
Ambient Temp. (°F) 50 Weather Conditions: Udy			
Cox Spring		ρ	•
2. Pressure gauge reading:	8.0 582	-	psig
3. Flow meter reading:	7		gailons gpm
•	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?		□-	۔
5. Exposed pipe insulation in acceptable condition?	<u> </u>		□.
Significant accumulation of solids in Collection Tank or Spring House?	個/	Pa	
Unnamed Spring #1	n 0		
7. Three-way valve position (normal or auxiliary):	7.5-		
8. Pressure gauge reading:  9. Flow meter reading:  2/5	451		gailons gpm
	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?		_	
II. Exposed pipe insulation in acceptable condition?			□.
12. Significant accumulation of solids in Collection Tank or Collection Structure?	A)	he l	

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Treatment Building				
13. Number of spent carbon drums in building.				
14. Number of virgin carbon drums in building.				l
14. Humber of Angus on the second of the sec	Yes	No	Action Required	
15. General housekeeping/debris around Treatment Building is acceptable?	□.	<u> </u>		_
16. Building structure (roof, doors, paint) in acceptable condition?				
17. Any leaking pipes, fittings, valves, equipment?		Į <b>a</b>	Π.	
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?		<b>, —</b> ~		कः युक्तस्य
19. Heat tracing and drum heaters in acceptable condition?	₽.			
20. Level sensors functional?	<b>Ø</b> .			,
21. Pressure switches/actuators functional?	Ø			
22. Automatic dialer/phone line functional?				-
Comments				
Item #				-
19 Applied alkein henters worl so	2+ 60	1.6	enter	
11 111111111111111111111111111111111111				
			<del></del>	·
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				.
1 P. W. Information		<u>-</u>		1
Additional Facility Information:				
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		<u>,</u>		

# Attachment D Results of KDEP Soil Sampling



praft Suming

TAL .2 Dioxin/Furan Results\*\* Tri City Industrial Disposal Bullitt County March 2002

						100	١	TC-2D	00	۲	<u>چ</u>
ſ	-	F	21-77	5	2	2	3			tac	TEO's
_	1	71		100	TEO's	PPT	HQ.	PPT	150.8	PFI	
<u> </u>	TEF	PPT	273				0.15		0.48		0.05
┢	-		0.5		2 [	.:	7	080	0.41		0.155
╁	0.5		0.275	0.54	770	3V 0	OMB	88	0.093	95.0	0.056
OGATA HYCOD	9.	1.1	0.11	HC.0		9	0900	22	0.22	1.2	0.12
O 2 6 7 R-HXCDD	0.1	3	0.3	8	200	90.7	91.0	6	0.3	1.7	0.17
23789-HxCDD	0.1	4	0.4	3.6	800	28.6	2,586	82.7	0.827	24.9	0.249
234678-HDCDD	10.0	74.7	0.747	28.2	2000	2040	304	6420	6.42	1650	1.65
T	0.001	1900	6;	200	600	2	0.085	32	0.32	0.5	0.05
<u> </u>	0.1	3.3	0.33	67	870	1.7	0.085	6.5	0.325	0.24	0.012
1	90.0	. : 	0.0375		3.5		0.1575	23	1.15		0.0675
Γ	0.5	2.4	12	4.	200	76	0.24	9.1	16.0	0.8	0.08
29478-HXCDF	0.1	7	0.7	8.0	2	100	1000	5.4	0.51	0.46	0.046
23678-HXCDF	Ö	4	<b>V</b>	2/3	3 8	5	0.14	2.4	0.24	0.42	0.042
2 2 4 8 7 8 HMCDF	0.1	3.9	0.39	78	3		500	4.8	0.48	0.15	0.015
Ĭ.,	0	6.0	0.09	0.44	0.044	į	500	24.3	0.343	4.7	0.047
123,193 TACDE	100	38.8	0.388	22.5	0.225	2	3 5	8	200	0.34	0.0034
100 to 00 to	60	8	0.03		0000	) (0.0)	0.000	770	0.0844	5.8	0.0058
1,2,3,4,7,6,9-mpcor	0.00	51	0.051	30.2	0.0302	63	0.0003	Š			
Total TEO's (not)											İ
•			i								

TEF = Toxicity Equivalency Factors (U.S. EPA, 1989; Ahlborg, et.al., 1994)

CERCLA and RCRA Site, establishes 1 ppb dioxins/furans (TEQ's) as the recommended clean-up goal for residential soils. TEQ = Toxic Equivalency (OSWER Directive 9200.4-26, Approach for Addressing Dioxin in Solf at

TEQ = Toxic Equivalency (EPA Region IX has established Preliminary Remediation Goals at 3.8 ppt

for residential sites and 30 ppt for inclustrial settings.

TEO computed using ITEF and setting non detected analytes with a concentration half the calculated detection limit or the EMPC.

\*\* Previous studies have established dioxin background at 8ppt at this site.

Next 5 my

TAL 2 - continued
Dioxin/Furan Results
Tri City Industrial Disposal
Bullitt County
March 2002

7	_	_	T	Т	П						Γ	Г	Τ	Т	٦	٦				ľ	1	H	
3	TEQ'8	24.5		8	18.6	83.3	82.5	179.5	74.84	10.1	1.35	23.15	0.75	2	3.39	3.86	0.7	10.5	0.445	10			
<u>3</u>	PPT			112	186	. 633	825	17950	74840	5	22	46.3	1 6	6	33.9	38.6		1050	44.5	2	3	!	
2	TEQ's		-	0.28	0.076	0.22	0.33	0 5.89	3.24	0.28	0.0175	20		40.0	0.19	0.33	0.033	0.212	0.015	2 2 2	0.0188		
10.55	TGG		1.7	0.56	0.76	22	a a	0 83	3210	300	200		-	5.4	1.9	33	0.33	21.0		2	19.9		
<b> </b>		200	-0	0.1825	AND	300	3		0.17	20100	0.000	0.0000	6.53	0.064	6900	0.058	2	1000	à la company	0.0097	0.0015		
P		Idd			07.0	800	8, 10,	-[	9,11	V12			0.58	0.64	090	3 6	8,	- -	è	0.97	1.5		
	2	TEQ.	20.0		0.0220	800	0.005	0.067	0.089	0.857	0.005	0.00225	0.0225	0.043		30.0	0.021	0.000	0.013	0.0005	960000		
	2							0.67	8.9	857				07.0	0.43		0.21		1.3		000	Ŗ	
	<u> </u>	0.CH		0.39	0.025	0.052	0.3	0.17	1.4	5.9	0.23	0,105	0.126		0.088	0.047	0.077	0.059	0.17	0.013		0.025	
	TC-3D	1				0.52	6	17	150	5900	2.3	2.1	B. C. Carlotte	F. College Same	96.0	0.47	0.77	0.59	-	,	2	3	i_

lippin report name   Map location   Drug	RE2892	PE29893	B52894 2	R52895 2	P62896 3	AB52897 3	B52896 4	(B52899	NES2900 5	AB52901 5	
Comple Name   Dlox	4			10-23 75-35 ABS							_

Waft
Summen!
See Labshoots

TABLE 3
PCB and Metals Summary
Tri City Industrial Disposal
Bullitt County
March 2002

<u>.</u>	40.0	3	6 04	3	400	3	4.7		200	3	70	]	200	3	F 55		74.7		€ 6			
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Blank space = nondetect.

Pa, x/2

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TABLE >

Dioxin/Furan Results\*\*

Tri City Industrial Disposal, Bullitt County

December 2001

	•				300	21 V 10	4.10	7.TC-1	7-TC-1 Y-2S	9-TC-BC-1S	31-15	11-TC-BL-25	8L-2S
		ئِ ج	1-TC-C1-15	7	22.5	5	2			Į.	140.5	100	HO.
Analytes	4004	raa	EQ.8	ž	1 0 1 E	PPT	TECT	-	9		֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֓֞	The second second	
			20.0		٥٥		0.1	:	0.15		0.1		Ĝ
2,3,7,8-TCDD	-		23		3		0.05		0.075		0.075		0.05
1 2 3 7 8-PeCDD	0.5		0.085		0.1		3 5		200		0.015		0.0135
123478-HxCDD	0.1	0.47	0.047		0.03		0.00		2000	: ;	0.015	0.62	0.062
1 2 2 8 7 8-HxCDD	010	1.3	0.13		0.03		0.0	90.0	300	220	0.055	0,60	6900
1,575,100	5		0.0425		0.03	1.3	0.13	RS:0	0.039	800	6000	3 5	1010
CACATTER'S, 1, 8, 2, 1	2	14.05	0.1425	17.7	0.177	14.8	0.148	9.1	0.091	16.9	0.109	12.7	0.167
1,2,3,4,6,7,8-HPCUD		2 7 6 7	O KOKE	808	0.608	1550	1.55	1150	1,15	795	0.795	346	0.346
OCDD	0.00	₽ 1	2		2000	2.1	0 B4		0.01		0.01		0.01
2 3 7 8-TCDF	5	0.59	9000		23				2007		0.005		0.005
10000 TO 0	000		0.0025		0.01	3.1	0.130		0,000		3		200
1,2,3,7,0,0		77.0	0.00		0.075	3.7	1.85		0.05		0.05		63.5
2,3,4,7,8-PeCDF	3				0.045	5.4	0.54	50	0.05	2	0.028		0.0151
1.2.3.4.7.8-HXCDF	0.1	0.74	0.074		2 2	5	80.00		100		0.01		0.01
123678-HXCDF	0.1	0.5	0.05		0.015	6.0	990			100	0.001		0.01
234678-HXCDF	0.1	0.57	0.057		0.016	3.6	987		200	0.5	0.015		0.01
1027AQ-HACDE	0.1		0.01		0.02	0.84	#30.0		0.000	10	2000	2.4	0.031
1,50,7,0,7	ě	25	0.035	1.8	0.018	8.8	0.088	1.3	0.U3	2.5	0.020	ó	3
1,2,3,4,7,8-HPCDF	4		1		O DORSE	3.6	0.036		0.002		0.002		0.0015
[1.2,3,4,7,8,9-HpCDF	0.01	0./	n.uovi		200	2	00000	25	o mos	86	0.0023	2.8	0.0028
OCOF	0.001	9.6	0.0056		0.0016	2	0.000		0.000				
Total TEO's (nnt)	_	<b> </b>			.:								
10.00							-					16.5 Inches	1

TEF = Toxicity Equivalency Factors (U.S. EPA, 1989; Ahlborg, et.al., 1994)

TEQ = Toxic Equivalency (OSWER Directive 9200.4-28, Approach for Addressing Dioxin in Soliat CERCLA and ACRA Site, establishes 1 ppb dioxinsfurans (TEC's) as the recommended clea up goal for residential solls.

TEQ = Toxic Equivalency (EPA Region IX has established Preliminary Remediation Goals at 3.1 ppt for residential sites and 30 ppt for industrial settings.

 TEQ computed using ITEF and setting non detected analytes with a concentration half the calculated detection limit or EMPC (highlighted).

\*\* Previous studies have established dioxin background at 8ppt at this site.

	Sample Name	Dioxin report name	Map location red	ű
	1-TC-CJ-1S	AB37013	-	
李	3-TC-CJ-2S	AB37014	3	_
됾	5-TC-LY-1S	AB37015	22	
i	7-TC-LY-2S	AB:37016	7.	
	9-TC-8L-1S	AB37017	6	
9	11-TC-BL-2S	AB37018	7	П
	13-TC-POND-SED	AB37019	13	Ţ
	14-TC-HS-1S	AB37020	14	T
	16-TC-CS-2S	AB37021	16	
	18-TC-CS-1S	AB37022	18	٦
	20-TC-CS-2S	AB37023	20	
	22-TC-MG-1S	AB37024	22	
	24-TC-CL-1S	AB37025	24	
	9-TC-BL-1S DUPE	AB37026		
	26-TC-HINSATE	AB37027		٦

TABLE 1, continued Dioxin/Furan Results Tri City Industrial Disposal, Bullitt County December 2001

<u> </u>	EQ.	3,45	7.5	OOF		1.15	53	121	0.0325	0.315	0.825	2.4	,	-	0,455	0.82	1.48	901.0		0.13/	0.0242		
26-TC-RINSATE	PPT 1		14.4	40	200	C.[_		12.1	32.5	242	16.5		7.0	- 2		8.2	14.8	40.0	╀	13.7	24.2		
	TEQ's	0.15	L	1	Z)	0.02	0.02	0.051	0.27	0.015	0.0075	0.075		0.03	0.01	0.01	100	9800	3	0.0015	0.0013		
24-TC-CL-1S	PPT T							5.1	270		C		t	0.3				┢	80.0	ر ت	1.3   0		
G-15	TEQ's	7	200	0.073	0.01	0.037	0.041	0.116	0.268	100	2005	200	3	0.037	0.005	0.005	100	0,000	0.00	0.00	0.0028		
22-TC-MG-1S	TOO	t				0.37	0.41	11.6	268					0.37				ļ	2		28		
26.20	150,0	2 4 6	200	0.323	0.062	0.26	0.37	0.718	8	200	2000	0.00.0	0.075	0.11	0.047	0.05	2000		0.043	0.0015	70000		
SC-PO-TITUE				\$ 1.5.5° .	0.62	2.6	3.7	71.8	1350	200	· .			1.1	0.47	20		) to	4.3		0.4	t-b	
20.00	2 2	200	5	0.235	0.048	0.15	81.0	98.70	2000	3 2	0.007	0.0025	0.025	0.0025	O COPE	38	0.000	5.0	0.027	0.001	9700	0.0040	
30 TO OC 10	<u>}</u>	144		0.47	0.48	2	2	300	200	\$						900	0.30		2.7		Š	9	
	16-TC-CS-2S	TEGS	0.05	0.14	9500	214	1	200	3	200	0.23	0.01375	0.55	00.0	3,5		0.036	0.01	1 0.104	0.0052	2337	15,012	
	16-17	PPT	:		850	-	; ;	-	3	<u>1</u>	2.3		1.1	٩	9	<u>-</u>	0.98		10.4	2 2	2	121	
	14-TC-HS-18	TEQ's	0.1	0.05	200	300	450	0.76	0.561	1.47	0.044	0.0345	0.19	3	870	022	0.27	0.01	a 2.40		0.0087	0.0297	
	14-TC	ppr			04.0	2/0	8	<u></u>	56.1	1470		69.0			2.6	22	2.7		ì	0:	0.87	29.7	
	POND	TEQ's	5	2	3	0.0	00	0.084	0.094	0.491	0.005	0.0025	2000	0.020	0.005	0.005	0.005	100	,	0.01	0.002	0.0051	
	13-TC-POND	ia a	Contract of the last		2			0.94	9.4	491	1. 通知的证			(1) (2) (4)			1000		2000	1.5		5.1	

# Attachment E Community Involvement Interviews

	Build But	Oiro Couste Kh
City/St	are	7//
ate: 3/27	1/03	Phone No. (532) 955 - 750
ame of Citizen	- How Lee	Paril
.ddress	Reache Ku	. 40109
low long have y	ou lived near the Site?	built in 1996 May
	with EPA activities over the pas	
o you still have	any concerns regarding EPA	clean up activities of the Site?
Property &	Die Cox property	was released up - the only
Holing So	posites plonty is	Why not!
Overall, have yo	u been pleased or displeased	with EPA actions at this Site?  I fine he cause his property
The of Me	t foucked.	
is there any info	n eiss	ned about clean up activities at the Site?
Is there someon	ne else that you would like to re	ecommend we contact for more information?
Do you ha <u>ve</u> an		ecommend we contact for more information?
Do you ha <u>ve</u> an		
10		
Do you have an public?	this other Han year review will be placed in the S	
Do you have an public?	this other Han year review will be placed in the S	being Hen up to Late on

F 7 1 T 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to Bright &	Bullitt County Ky
City/Sta	LE	
ste: March	24,2003	Phone No. 502 753-7855
lame of Citizen	W.C. Horsier	) <i>P</i> 1
ddress	115 Klapper	( AL
<u> </u>	Brooks, Ky.	40109
low long have yo	u lived near the Site?	25-26 yrs.
re you familiar w	ith EPA activities over the p	past years?
		A clean up activities of the Site?
Sona /	not look ord -	objects are sticking up - till
Told los	71	would be trought in the it here
Overall, have you	been pleased or displeased	d with EPA actions at this Site?  Seen Condition Conscious
7/16/20 113		7 0
		the Site?
ls there any infor	mation about the Site that y	med about clean up activities at the Site?  ou would like to share with us that would assist in
ls there any infor		
ls there any infor	mation about the Site that y	
Is there any information our 5-year review	mation about the Site that you site activities?	ou would like to share with us that would assist in recommend we contact for more information?
Is there any information our 5-year review	rnation about the Site that year of site activities?  else that you would like to	recommend we contact for more information?
Is there any information our 5-year review	e else that you would like to	recommend we contact for more information?
Is there any information our 5-year review  Is there someone  Do you have any	e else that you would like to	recommend we contact for more information?
Is there any information our 5-year review  Is there someone  Do you have any public?	e else that you would like to	recommend we contact for more information?

Site Ini-City ladustrial Disposite Site
Orty/oratio ====================================
Date: March 34,2003 Phone No. (502) 957-4586
Name of Citizen Mrs. Roger . L. Klappan
Address 408 Klappen Road
Britis Xy 40109
How long have you lived near the Site? 30 years
Are you familiar with EPA activities over the past years?
en and an according EPA clean up activities of the Site?
yes, here built where site located - house on a partie of her feel one of the control of
Show most enerothing trought into bland file, that did not see it
The state of the s
not conduct on sough alter is - the last fill found many friends times - just flare up anywhere - there is no way oning thing could
A in a filer allers up.
- Tot really - They tak attorney to the signesses thefre mine
is there any information about the Site that you would like to share with as that
our 5-year review of site activities?
the the state of the state of the street of the citieston &
And for a man without felding them. Hay furnished spring water
Is there someone else that you would like to recommend we contact for more information?
my Cay
Do you have any suggestions that EPA can implement to improve communication with the public?
Stop any kill of dunging dream Yourses.
[A copy of the 5-year review will be placed in the Site Information Repository file located in the Site Information Repository at
Interview conducted by: Survey Barrett
Interview conducted by: Date conducted: 3/24/03

Clea In - City Sadustrial Dispose Sta
Site
City/State
Date: 8/24/03 Phone No. (502) 955-6439
Name of Citizen William & Cou Sr.
Address 305 Klappen Road (Orbottes)
- Synetin, Thy 40163
How long have you lived near the Site?
Are you familiar with EPA activities over the past years?
Do you still have any concerns regarding EPA clean up activities of the Site?
Overall have you been pleased or displeased with EPA actions at this Site?
The state of the s
Do you think you have been adequately informed about clean up activities at the Site?
Is there any information about the Site that you would like to share with us that would assist in our 5-year review of site activities?
Is there someone else that you would like to recommend we contact for more information?
Do you have any suggestions that EPA can implement to improve communication with the public?
[A copy of the 5-year review will be placed in the Site Information Repository file tocated in the Site Information Repository at
Bit with the second sec
Interview conducted by: Sarrell Barrell
Interview conducted by:  Date conducted: 3/27/03

a at a time of the
Site
City/State Swith Quillity County, 19
Date: 3/04/03 Phone No. (503) 52/3-24/5
m. n. d Vitailler Dureta
Name of Citizen
Address Bullitt County that Dept
Skiplerdmille, Kys
How long have you lived near the Site?
Are you famillar with EPA activities over the past years?  Auxcliff 8
Do you still have any concerns regarding EPA clean up activities of the Site?
Were not heard anything in 5 years - 1
Overall, have you been pleased or displeased with EPA actions at this Site?  Assuming EPA did what they said they wround do - he would be pleased
Do you think you have been adequately informed about clean up activities at the Site?
No ac has cirtaited him in one Typens
Is there any information about the Site that you would like to share with us that would assist in our 5-year review of site activities?
Is there someone else that you would like to recommend we contact for more information?
Do you have any suggestions that EPA can implement to improve communication with the public?
public?
[A copy of the 5-year review will be placed in the Site Information Repository file located in the Site information Repository at
A. Benett
Interview conducted by: Sense Benefit  Date conducted: 3/24/03